# WORLD WETLANDS DAY (2014) CELEBRATIONS IN KENYA

REPORT

**Theme:** Wetlands and Agriculture: Partners for Growth







FEBRUARY 2014

# **Acknowledgements**

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We thank the Ministry of Environment, Water and Natural Resources (MEWNR), Kenya Wildlife Service (KWS), National Museums of Kenya (NMK), African Wildlife Foundation (AWF), Laikipia Wild Wildlife Foundation (LWF), Wetlands International, Kenya Country Office (WIKO), Kenya Wetlands Biodiversity Research Team (KENWEB), Kenya Wetlands Forum (KWF), Safaricom, Kenya Literature Bureau (KLB), Water Capacity Building Network (WaterCap), Lake Victoria Environment Management Project Phase (LVEMP II) – Kenya, Uganda, Tanzania, Rwanda and Burundi, World Wild Fund for Nature(WWF), Lake Victoria Basin Commission (LVBC), County Governments of Laikipia and Busia, Mumias Sugar Company, Water Resources Management Authority (WRMA) and NEMA for their key role in the organization and successful celebrations. Special acknowledgement and thanks is given to the County Organization Committees (COCs) for ensuring that all preparations on the ground went smoothly.

We appreciate the cooperation and support particularly from the general public for taking part in the exhibitions, competitions, entertainments and listening to the various speeches and presentations during this important awareness raising campaign.

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Acronyms

**NEMA** National Environment Management Authority

**MEWNR** Ministry of Environment Water and Natural Resources

**LVEMP II** Lake Victoria Environment Management Project

**KFS** Kenya Forest Service

KWS Kenya Wildlife Service

**NOC** National Organizing Committee

**DG** Director General

**LWF** Laikipia Wildlife Forum

WRMA Water Resources Management Authority

**GDP** Gross Domestic Product

**WWD** World Wetlands Day

MOA Ministry of Agriculture

**IUCN** International Union for Conservation of Nature

# 1.0 Background and Introduction

The Convention on Wetlands of International Importance, called the Ramsar Convention, is an intergovernmental treaty that provides the framework for national action and international cooperation for the conservation and wise use of wetlands and their resources. The Convention was adopted on 2nd February 1971 in the Iranian city of Ramsar and came into force in 1975. Kenya became a Party to the Ramsar Convention in 1990 and enlisted Lake Nakuru as the first Ramsar site – wetland of international importance. A part from this, other wetlands of international importance in Kenya include Lakes Baringo, Bogoria, Naivasha and Elementaita and the newest, Tana Delta.

2014 being the UN International Year of Family Farming – the Ramsar Convention chose Wetlands & Agriculture, as the World Wetlands Day theme for 2014. This theme describes the intimate though delicate linkage between wetlands and food production/ agriculture. The slogan; Wetlands and Agriculture: Partners for Growth, places a focus on the need for the wetlands, water and agricultural sectors (to work together both enhanced ecological integrity/resilience and livelihoods improvement. This theme resonates very well in Kenya's context, being a developing state and grappling with challenges of food security, must therefore embrace sustainable agriculture in order to meet the overwhelming food and dietetics requirements by the ever increasing population (inter-censual growth rate stands at 3%), as envisioned in the National Development Bleu Print, Kenya Vision 2030.

Wetlands have often been seen as a barrier to agriculture, and they continue to be drained and reclaimed to make farming land available. But the essential role of wetlands in support of agriculture is becoming clearer and clearer, and there are successful agricultural practices and technologies which support healthy wetlands.

# 1.1 Awareness Creation and Build-Up Events

The theme for WWD 2014 invoked a paradigm shift from the quite often sectoral approach in natural resource management to a more sustainable and integrated natural resources management, taking cognizance of the interconnectedness between ecosystems and livelihood derivation. Agriculture and wetlands are critical and interconnected sectors demanding multipronged approaches in fostering sustainable food production wetlands ecosystem resilience. Wetlands provide essential services and goods including harboring huge biodiversity with enormous economic returns (Gross Domestic Product), act as microclimate enhancers, climate change mitigation roles, as well as water provisioning -required in performing several functions including agro-production.

In order to raise public awareness on these important ecosystems and the services and goods derived from them, the NOC undertook several actions both buildup event celebration- a panel discussion as well as using media – both print and electronic). Some of these are briefly described here-below:

The National celebration was held on the 2<sup>nd</sup> February 2014 at Busende Primary School, Busia County. Prior to national WWD 2014 celebrations, a major buildup event, a panel discussion was held to raise public awareness and consciousness on the importance and linkage between wetlands and agricultural development in Laikipia County. Focusing the vulnerable Marula wetland situated in Kenya's Arid and Semi Lands of Rumuruti, Laikipia, the discussion aimed at generating consciousness to the County level stakeholders and communities on the need to undertake sustainable agriculture around wetland areas. The main audiences included the Rumuruti Prisons, currently undertaking farming within tis swamp-type and riverine wetland, which has posed a big challenge in managing this ecosystem, Water Resources users Association (WRUAs), Ministry of Water, WRMA, KFS, Laikipia Wild Life Forum members and support communities groups, students and CSOs. The Deputy Governor, Laikipia County, Hon. Gitonga, graced the occasion. Other guests included, the representative of the Director General NEMA-Kenya, Deputy Director Coastal Marine and Fresh water-NEMA, the County Director of Environment, WRMA regional and sub-regional Managers, Chief Executive Officer-LWF, Representative of the Ministry of Agriculture, representative from KWS, NEMA Officers among others.



1(a) A wareness material used during the Laikipia Panel Discussion



1(b) A community (WRUA) member participates in IPG during the panel discussion at Marula wetland in Laikipia

## 1.1.1 Interactive Panel Discussion

One of the key awareness activities that the NOC planned was a panel discussion targeting government agencies, private sector, civil society and community members. The discussion themed "Wetland and Agriculture: Partners for growth" was held on Friday 16th January 2014 next to the Marula wetland in Laikipia. The discussion provided a platform for knowledge and information exchange between the experts/technocrats from institutions with a mandate on wetland and Agriculture in line with the theme. In addition, the forum provided participants with varied options on best wetland practices through exhibitions. The essence of holding the discussion was grounded on the fact that members of the public must be informed on what the government is doing/intends to do as per Article 57 of the Constitution of Kenya 2010 and this becomes an excellent opportunity for the public to give their viewpoints, concerns and issues regarding the subject area for future planning, policy formulation and execution of various programmes and projects by different stakeholders. As a result diverse stakeholders in terms of institutional mandate constituted the panelists. These (panelists) were derived from the NEMA, County Government, WRMA, Ministry of Agriculture, Laikipia Wildlife Forum, and National Museums of Kenya. The IPD was moderated by Mr. Benard Opaa, Wetlands Officer, NEMA and assisted by Mr. Magut, the County Director of Environment, Laikipia County.

The discussion sought to provide answers to many Frequently Asked Questions (FAQs) about the relationship between wetlands and agriculture. The public was mainly concerned and worried at the rate at which wetlands were being degraded through conversion for agriculture and human settlement. More concerns were raised regarding NEMA's role in controlling developments through the EIA process

especially for those developments that were being erected within wetlands and associated riparian areas.

# 1.1.2 Launching of Tana Delta as Kenya's Sixth Ramsar site

In addition to the IPD, it became apparent that Kenya's sixth Ramsar Site had not been officially launched. Designated in October 2012 as a Ramsar Site owing to its potential and importance in terms of biodiversity and socio-economics, the Tana delta was recognized and designated to provide it with the much needed international recognition. This year saw the therefore saw the launch of this important but fragile deltaic wetland in Kenya's coastal region Tana Delta was officially launched as a sixth Ramsar site in a colorful ceremony which was held at Handaraku Village, Tana River County on 30<sup>th</sup> January, 2014. The designation of Ramsar sites is in line with article 2 of the constitution of Kenya 2010 and the government's commitment to Ramsar convention.

The ceremony brought together conservation enthusiasts, wetlands experts and local community on Thursday (January 30, 2014) in Handaraku, Tana River County. It joined the list of other five designated Ramsar sites in Kenya namely Lake(s) Naivasha, Nakuru, Bogoria, Elementaita and Baringo.

This global recognition calls for the conservation of the Tana delta wetlands resources for sustainable development. It aims at eliminating progressive encroachment on and loss of wetlands now and in the future. It acknowledges the fundamental ecological functions of wetlands and their economic, cultural, scientific, and recreational value.

The designation of the Tana River delta as a Ramsar site will encourage partnerships that focus on watershed conservation efforts. It aims at dealing with off-site development that could threaten the biodiversity and ecosystem services provided by the site consequently increasing the area for wildlife conservation at national level.

It will also lead to increased funding for research, management and tourism. The public awareness of the site will also highlight its importance and aesthetic value, leading to an increase in tourism directly stimulating economic development of the area.

At 163,600 hectares, the delta is designated as an Important Bird Area by Birdlife International (IBA) as it shelters globally threatened birds. About 5000 breeding water birds from 13 species use it as a breeding site. The delta is the second most important estuarine and deltaic ecosystem in Eastern Africa. It comprises a variety of freshwater, floodplain, estuarine and coastal habitats with extensive and diverse mangrove systems.

It's diversity in habitats permits diverse hydrological functions and a rich biodiversity including coastal and marine prawns, shrimps, bivalves and fish, five species of threatened marine turtles and the IUCN red-listed African Elephant.

Other sites proposed for designation as Ramsar sites include the Yala swamp, Saiwa swamp and the trans-boundary Sio-Siteko wetland ecosystem.



1(c) Pupils from Handaraku primary school following the proceedings during the launch

## 1.1.3 Print Media

Print media was used to raise awareness about linkage between wetlands and agriculture, emphasizing on the theme. Specifically, the *Daily Nation* of 29<sup>th</sup> January, 2014 with a national coverage was used to advertise the upcoming national celebrations on 2<sup>nd</sup> February 2014 in Busia through a public notice on a newspaper (See plate). This was followed by a detailed coverage of Kenya's wetland issues, emergent issues and actions taken so far by the government to sustainably manage the wetlands on newspaper supplements that appeared on the both the *Sunday Nation* and *the Standard on Sunday* of 2<sup>nd</sup> February, 2014 (see plate). All these avenues were used to hype the national event at Sio-siteko transboundary wetland in Busia County while calling for action. The public notices and supplements are here below.



Public notice on Daily of Wednesday 29 January 2014

# MINISTRY OF ENVIRONMENT, WATER AND NATURAL RESOURCES Why protection of wetlands must be a priority for all Message by Cabinet Secretary, Ministry Of Environment, Water and Natural Resources Message by, The Principal Secretary, State Department of Environment, Water and Natural Resources 'Our our life, our sponsibility'

Media supplement on the Standard newspaper, Sunday 2 Feberuary 2014

# MINISTRY OF ENVIRONMENT, WATER AND NATURAL RESOURCES

WORLD WETLANDS DAY 2014 ON 2 FEBRUARY 2014 AT BUSENDE PRIMARY SCHOOL, BUSIA COUNTY- KENYA

# Message by, Chairman, NEMA Board of Management



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# Message from Director General, NEMA



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#### Message from Governor, County Government of Busia



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# Message from County Executive Committee Member, Water Environment and Natural Resources Busic County Resources, Busia County



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Media supplement on the Standard Newspaper of 2 February 2014



# World Wetlands Day 2014 Ministry of Environment, Water and Natural Resources LAKE VICTORIA ENVIRONMENTAL MANAGEMENT PROJECT PHASE 11



#### PROJECT BACKGROUND

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Media feature on the Daily Nation by the Ministry of Environment, Water and Natural Resources, LVEMP II Project, Kenya on 2 February 2014

#### 2.0 Main Event in Busia: the National Celebrations

## 2.1 Cleanup of Busia Town

The National Organizing Committee planned a cleanup campaign in Busia town on the 1<sup>st</sup> February, 2014 to act as one of the awareness campaigns. A vehicle playing music traversed the town to sensitize town dwellers and the community members and the general public of the cleanup exercise and the link between wetlands and solid waste – wetlands such as Sio-Siteko act as the recipients of the town's wastes.





2(a) Participants take part in the cleanup exercise in Busia town

#### 2.0 Procession

In order to draw the attention of the communities towards the event, the NOC planned a procession that started right at the River Siteko bridge, about 600metres from Busende Primary School, the venue where the event was held. A beautiful procession, combining the pupils, secondary school students, guests, bodaboda (cyclists) as well as the Sio-Siteko wetland community among others matched through the procession, led by the Busia Brass band from Uganda. The procession was flagged off by the Chief Guest, Dr. Alice Kaudia, the Environment Secretary, who was representing the cabinet Secretary, MEWNR.



2(b) Dr Kaudia flags off the procession



2(c) Dignitaries, community members and school pupils proceed with the procession to venue

# 2.3 Visit to the Sio-Siteko transboundary Wetland by dignitaries

The dignitaries were given a wetland treat by visiting the Sio-siteko wetland, a few meters from the venue. A quick drive to the wetland was aimed at providing the guests, non-locals, with the opportunity of knowing where and what the Sio-siteko wetland is, the challenges and benefits of the wetland to the communities and the link to the theme. This was meant to enable the guest gain the real experience about one of the key services that wetlands deliver; food security. Thus the visit was bring the guests up-to-speed with realities of unsustainable agriculture as a key threat to wetland ecosystems in Kenya.



2(d) Dr. Ondimu, NEMA with other dignitaries at Sio-siteko wetland



2(e) Dignitaries are taken around the wetland site



2(f) Mr. Stephen Katua, the Deputy Director Coastal Marine and Fresh waters sub-department NEMA, gives an account of Sio-siteko wetland to the dignitaries.

# 2.4 Kenya- Uganda Bicycle Competition

Sio-siteko being a transboundary wetland shared between Kenya and Uganda and also provides numerous ecosystem goods and services; a bicycle race between Kenya and Uganda teams/cyclists was organized. This was one of ways/avenues to create awareness and sensitization about the importance of this wetland to the region. Cycling is one of the key livelihood activities carried by communities living around the border between Kenya and Uganda, Busia. This activity therefore resonated with the communities and helped reached many of them with the message of ensuring wetlands management and sustainable agriculture within and around wetlands. This was supported by the County Government of Busia.



2(g) Mr. Wangalwa, the Deputy Governor, Busia County flags-off bodaboda competition



2(h) Bodaboda competitors start off the race

# 2.5 Tree Planting

Despite the prevailing dry weather, guests still managed to plant ceremonial trees to mark the occasion. The trees, mainly indigenous, were planted within the school compound to ensure survivability through watering by the pupils who adopted them. The headteacher was to take a supervisory role to ensure that the trees are grown to maturity.



2(i) Dr. Kaudia, MEWNR, plants a tree to mark the celebrations



2(j) Prof. Wahungu, DG NEMA, plants a tree to mark the celebrations



2(k) Mr. Maluki, chairman NEMA board of management, plants a tree to mark the celebrations

## 2.6 Exhibitions

The event at Busende Primary School was enmeshed with several exhibitions displaying the benefits of a wetland ecosystem. Stakeholders demonstrated this through exhibitions on the wetland wise-use activities and products which was part of awareness creation.



2(1) Dr. Alice Kaudia, the environment secretary Ministry of environment and Chief Guestis lead through part of exhibitions by Mrs. Betty Nzioka, the Deputy Director Environmental awareness NEMA during WWD 2014.



2(m) Right; Exhibition in form of trees species by the Kenya Forest Service; Left: Participants from LVEMP II give an account on wetland management and conservation in the Lake Victoria Bbasin.

#### 2.7 Entertainments

There were various performances by school pupils and communities that highlighted the need to wisely-use our wetlands. A range of performances in form of songs, poems were done to depict the linkage between wetlands and Agriculture and the need to ensure sustainable wetland management. Primary school children did wonderful presentations and helped create the much needed awareness and consciousness regarding the roles of wetlands and the challenges they face, particularly in the face of a rapidly changing climate.



2(n) A community women group entertains guests



2(o) Left, Busia Brass Band, Uganda performs an acrobatic show; right: Representative of Chief Guest, Dr. Kaudia and the Hon. Wangalwa, the Deputy Governor, Busia County joins school pupils in a jig

# 2.8 Remarks and Speeches

In her keynote address delivered by Environment Secretary Dr. Alice Kaudia, Prof. Judi Wakhungu, the Cabinet Secretary, noted that in many parts of Kenya, wetlands have often been seen as a barrier to agriculture, and they continue to be drained and reclaimed to make farming land available. One of the succinct messages read by Dr. Kaudia was that people need to strike a balance between agriculture and wetland conservation in order to protect the wetlands from extinction.



2(p) Environment Secretary Dr Alice Kaudia delivers the keynote address on behalf of the Cabinet Secretary, Prof Judi Wakhungu.

"But the essential role of wetlands in support of agriculture is becoming clearer and there are successful agricultural practices which support healthy wetlands. This year's theme is therefore meant to highlight this interdependency relationship between wetlands and good agriculture."

She further reiterated that the annual celebrations are meant to raise public awareness of wetland values and their benefits and promote the conservation and wise use of wetlands in light of their role in supporting agriculture and ensuring food security in the country.

According to the Cabinet Secretary, the Millennium Ecosystem Assessment has shown that global food production has doubled in the past 40 years, to keep pace with the increasing human population. However, the assessment also showed that this major accomplishment has been realized at the expense of major losses in biodiversity, disruption of global element cycles, problematic eutrophication and toxification of our freshwater resources, and loss of regulating ecosystem functions. She therefore argued that it is important to strike a balance between agriculture and wetland conservation in order to protect the wetlands from extinction. The most effective solutions to the question of balance tend to be those that employ a combination of approaches, including: agricultural practices that help to reduce impacts on wetlands; development of multifunctional agro-ecosystems which are managed to provide the broadest possible range of wetland ecosystem services; and restoration of wetlands to provide functions and services in agricultural landscapes.

She affirmed that the Environment Ministry recognized that wetlands are a key resource in the country's socio-economic development and the attainment of Vision 2030 though many were in the real danger of disappearing due to human population pressure, urban growth, infrastructure development and unplanned settlement and that the wise use of wetlands is essential for supporting sustainable agriculture production.

She indicated that the Government of Kenya through the ministryof Environment had put up austerity measures to ensure that our wetlands are protected and conserved from degradation activity resulting from land use changes.



2(q) The dignitaries when they visited the NEMA stand during the World Wetlands Day held at Busende Primary School in Busia County.

These measures included: formulation and enactment of Wetlands Regulation, 2009 to guide the country on sustainable wetlands management and conservation by promoting wetland wise use; wetlands mapping to produce the first Kenyan Wetlands Atlas that gives the spatial and temporal changes in some of the wetlands in the Country; the launch of a Master Plan for the Conservation and Management of water Catchment areas. The measures set out in the master plan bring to the fore practical and attainable actions that can be implemented so as to curb wetland degradation resulting from both human activities.

On his part, Prof. Geoffrey Wahungu, the Director General NEMA noted that the Authority is aware of the Sio-Siteko Transboundary management plan which was developed through a consultant hired by Nile Basin Initiative. He however, expressed his dissatisfaction since nothing much has been done in implementing the provisions of the management plan.

He vowed that the Authority will work with the county governments to ensure that the plan is implemented. "NEMA commits to work with the County Governments of Busia and Bungoma in ensuring that the vision as stated in the management plan is attained."



2(r) NEMA DG Prof Geoffrey Wahungu introduces key stakeholders that NEMA closely works with during the WWD 2014.

He also urged the local communities to work with the county governments saying "I urge you to work closely with County and National Governments, in exploring the possible sustainable agricultural activities within Sio-Siteko and Sio-Malakisi wetlands as a way of enhancing your livelihoods through value addition to the agricultural products and services, which should be a realization of the Country's Economic Vision and Strategy under Vision 2030."

He thanked the National and Local Organizing Committees as well as all stakeholders for their efforts and contributions for ensuring a successful organization and commemoration of World Wetlands Day 2014 at Busende Primary School in Busia County.

Mr. Maluki Mwendwa, the Chairman NEMA board of management cautioned the local communities to undertake farming and other related agricultural activities sustainably.

"Agricultural activities should be done sustainably to so to minimize pressure on this important natural ecosystems. While we harness and develop the agriculture potential of wetlands in our pursuit of Kenya Vision 2030, we must monitor and stop the negative implications which may result from our activities."



2(s) NEMA Board Chairman Mr. Maluki Mwendwa makes his speech.

He cited overfishing, excessive hunting of birds and animals, over abstraction of water, pollution due to excessive fertilizers and reclamation or complete drainage of wetlands as some of the negative aspects that could emerge as outcomes due to an excessive load on wetlands therefore completely destroying them.

These sentiments were also echoed by Deputy Governor for Busia County Mr. Kizito Wangalwa, who represented the area governor Mr. Sospeter Ojaamong at the national celebrations.

"We are yet to discover other precious minerals in our county even if explorations of Samia Hills for coal and iron ore are ongoing. So for the time being, our natural resources in the county remain such resources as the Sio wetlands".



2(t) Busia Deputy Governor Mr. Kizito Wangalwa welcomes the guest of honor to make the key note address the national celebrations.

Occasionally switching into the native Luhya dialect perhaps to clearly drive the point home, he asked the area residents to avoid the temptation to sell their land for short time gains. "Our land is our resource and we must make it count for our county to develop".

The Director General, NEMA, Prof. Wahungu on his part reminded everyone of the importance of the celebration to raise awareness about the importance of wetlands and ecosystem at large. He maintained that agricultural activities should be put to check to ensure that the dignity of wetlands is maintained. He highlighted some of the efforts that had been made by NEMA in ensuring that wetlands are properly conserved and managed. This included; development of wetland management plans for Ol Bollosat, Lake Jipe, sio-siteko, Ombeyi, Tionosoyiet, Kingwal and Kibirong wetlands; and wetland mapping exercises which culminated to the production of the national wetland atlas. He urged the wetland management plan implementation committees for various wetlands to help in mobilizing funds to ensure their full implementation. He highlighted that NEMA intended to regulate sand harvesting in wetlands through environmental Audit and mentioned the activities to be undertaken which included; delineation of boundaries, controlled harvesting of resources and tree planting.

The representative of Lake Victoria Basin Commission, Dr. Mngodo on his part highlighted various conservation initiatives undertaken by LVBC. He mentioned that LVBC closely works with the community members through community driven developments subprojects to address wetland degradation in the basin. He highlighted the importance of community members to understand and participate in wetlands management and further encouraged the community members and county government to push the agenda of natural resource conservation.



2(u) The representative of LVBC while giving a speech during the WWD 2014 celebrations

The representative of the Danish embassy, Ms. Isabela Masinde thanked the Government of Kenya for cooperating with the government of Denmark to ensure that wetlands are properly conserved and managed in the country. She highlighted

some of the support and efforts by the Danish government, which included the publication of the Kenya wetland atlas. She indicated that the Blue swallow bird which is not a native bird to Sio-siteko wetland has always visited the wetland and thus the importance of the wetland.



2(v) The representative of Danish Embassy while giving her speech during the WWD 2014 celebrations.

The program Manager, Wetlands International, Ms. Julie Mulonga, reiterated the importance of wetland wise use as one of the key resolutions to Ramsar convention. She pointed out that many wetlands face threats from human actions and believed that the solution lies with the community members who live near the wetland. Giving a case study of Ecosystem Alliance Programme in Tana Delta where the community members are highly involved in the conservation and protection of wetlands, she believed that with full community involvement and stakeholder collaboration wetlands can be sustainably managed.

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2(w) The program manager, Wetland International while giving her speech during the WWD 2014 celebrations.

## 2.9 Awards

Awards were given to schools, cyclists and community members who ensured that the day was a success. This was intended to promote wise-use of wetlands and to appreciate those individuals and institutions that have done commendable work in ensuring sustainable management and utilization of wetland resources.



2(x) Prof. Wahungu, Director General NEMA issues a certificate of participation to a member of Busia Brass band during the WWD 2014 celebrations.



2(y) Mr. Wangalwa, the Deputy Governor Busia County presents a token to Mr. Moses Bwire, the best cyclist during the WWD 2014 celebrations.



2(z) Dr. Kaudia, the Environment Secretary MEWNR, while presenting a copy of wetland atlas to headteacher Busende primary school.