



Small Grants – Project Completion and Impact Report

Instructions to grantees: please complete all fields, and respond to all questions listed below.

Organization Legal Name	National Museums of Kenya
Project Title	Rapid Biodiversity Assessment of Lake Ol Bolossat, KBA
Grant Number	S19-12-KEN NMK
Date of Report	19 December 2019

CEPF Hotspot: Eastern Afromontane biodiversity hotspot

Strategic Direction: SD2. Improve the protection and management of the KBA network

Grant Amount: USD15000

Project Dates: 1st July- 31st October 2019

PART I: Overview

1. Implementation Partners for this Project (*list each partner and explain how they were involved in the project*)

i. National Museums of Kenya (NMK): Project host institution charged with biodiversity study of the KBA.

ii. East Africa Wildlife Society (EAWLS): EAWLS help with coordination in terms of linking the NMK team with the local stakeholders including the County Government of Nyandarua, Water Resources Authority (WRA), Kenya Wildlife Service (KWS), National Environment Management Authority (NEMA), CCV, NBC and local leadership (County Commissioner, Deputy County Commissioner, chiefs and assistant chief) to inform them of the proposed study and seek their support.

iii. Kenya Wildlife Service (KWS): Provided vehicle to transport NMK and field assistants including providing security during the field work period.

iv. Kenya Water Institute (KWI): Analyzed water samples to check nutrients levels (Total phosphates, Total Nitrates) and Total suspended solids at a subsidized charges.

v. Local community: They were involved as co-researchers and guided NMK experts to locate sampling sites easily while sharing their indigenous knowledge. They also gain knowledge in biodiversity surveys techniques.

2. Summarize the overall results/impact of your project

The project provided baseline biodiversity information for the management plan of the KBA. The new data will inform the production of the management plan for this KBA, and will facilitate the monitoring of the biodiversity at the new wetland protected area by the government of Kenya.

3. Briefly describe actual progress towards each planned long-term and short-term impact (as stated in the approved proposal)

List each long-term impact from your proposal

a. Planned Long-term Impacts - 3+ years (as stated in the approved proposal)

Impact Description	Impact Summary
Increase protection status of KBA	Biodiversity baseline data provides scientific evidence and justification to have the area as KBA hence wetland protected area

b. Planned Short-term Impacts - 1 to 3 years (as stated in the approved proposal)

Impact Description	Impact Summary
Inform the production of management plan for KBA	The baseline biodiversity data will inform the review of management plan for the KBA. It also provide directions on the biodiversity monitoring framework for the new wetland protected area.

4. Describe the success or challenges of the project toward achieving its short-term and long-term impacts

The project managed in a big way to produce baseline biodiversity information considering the short time period in the field (rapid assessment). This was through the CEPF funding support, local institutional support and NMK expert commitment. The project successfully investigated water quality and 8 biodiversity thematic areas notably, lake habitat characterization, plants, fish, amphibians, reptiles, aquatic invertebrates, mammals and fungi. Species diversity and abundance revealed new data. An update of existing data were made while totally new information for the taxa that had never been reported were made. A checklist combining past and new data was produced which puts total birds species at 293, plants at 370, mammals (7 species), fish (7 species), reptiles (5 species), amphibians (4 species), aquatic invertebrates (96 species) and fungi (42 macrofungi species). Amongst the species diversity were those of conservation concerns such as orchids, one Aloe and two succulent Euphorbias (plants), all appearing in appendix II of CITES. Sixteen bird species recorded are listed as globally-threatened on the IUCN Red List which include Grey Crowned Crane *Balearica regulorum* and Sharpe's Longclaw *Macronyx sharpie*.

5. Were there any unexpected impacts (positive or negative)?

Yes, from the training the positive expectation from the survey were captured as i) learning the various field techniques used in biological research ii) getting to know some of the species found in the Lake basin, and, iii) understanding the ecological and economic values of some of the biodiversity found in the Lake.

PART II: Project Outputs/Results

6. Outputs/results (as stated in the approved proposal/logical framework)

List each Output/Result and indicator from your logical framework, and describe what was achieved (also attach all means of verification to this report)

#	Output/Result	Indicator	What was achieved (using indicator)
1	Baseline biodiversity data	Biodiversity report	Chapters of taxa/ species diversity and abundance

7. Please describe and submit any tools, products, or methodologies that resulted from this project or contributed to the results.

The training of local assistants as co-researchers in this project contributed significantly to the achieved results. The project considered the input and active participation of the local community in the survey. A representative from each of the seven administrative wards around the Lake Ol Bolossat was invited for a one-day training. They then became trainers and advocates of the purpose of the survey prior to visiting their wards. It made easier recruitment of 6 local assistants within each of the wards. The selection criteria used considered gender equity, villages’ representation and minority groups. Their involvement helped to reduce suspicion from the local community by explicitly enlightening them on the mission of the survey team. This is because there is a growing anxiety and uncertainty among the community following the declaration and gazettement of the Lake as a Protected Wetland Area, and the potential evictions that will follow.

PART III: Lessons, Sustainability, Safeguards and Financing

Lessons Learned

8. Describe any lessons learned during the design and implementation of the project, as well as any related to organizational development and capacity building.

Consider lessons that would inform:

- Project Design Process (*aspects of the project design that contributed to its success/shortcomings*)
- Project Implementation (*aspects of the project execution that contributed to its success/shortcomings*)

- Describe any other lessons learned relevant to the conservation community

One important lesson learned in this project is the importance of involving local people as co-researchers. Local community's involvement in the surveys was not only seen as providing local guidance but also an opportunity for indigenous knowledge transfer and documentation including conservation-related decision-making especially now with the area being gazetted as protected area.

Sustainability / Replication

- 9. Summarize the success or challenges in ensuring the project will be sustained or replicated, including any unplanned activities that are likely to result in increased sustainability or replicability.**

The survey apart from providing baseline information also developed a monitoring framework for continued research to inform Lake’s management strategies.

Safeguards (Separate project component)

- 10. If not listed as a separate Project Component and described above, summarize the implementation of any required action related to social or environmental safeguards that your project may have triggered.**

Additional Funding

- 11. Provide details of any additional funding that supported this project and any funding secured for the project, organization, or the region, as a result of CEPF investment**

a. Total additional funding (US\$): 1703

b. Type of funding

Please provide a breakdown of additional funding (counterpart funding and in-kind) by source, categorizing each contribution into one of the following categories:

Donor	Type of Funding*	Amount	Notes
Kenya Water Institute	A. In-Kind	97	Water analysis waiver/ discount
Kenya Wild Life Service	A. In-Kind	554	Extra field transport vehicle support
National Museums of Kenya	A: In- Kind	1052	Staff time compensation waiver

* Categorize the type of funding as:

A Project Co-Financing (other donors or your organization contribute to the direct costs of this project)

B Grantee and Partner Leveraging (other donors contribute to your organization or a partner organization as a direct result of successes with this CEPF funded project)

C *Regional/Portfolio Leveraging (other donors make large investments in a region because of CEPF investment or successes related to this project)*

Additional Comments/Recommendations

12. Use this space to provide any further comments or recommendations in relation to your project or CEPF.

The CEPF fund support was crucial to unlock the unknown KBA by obtaining baseline biodiversity data.

PART IV: Impact at Global Level (N/A)

CEPF requires that each grantee report on impact at the end of the project. The purpose of this report is to collect data that will contribute to CEPF’s portfolio and global indicators. CEPF will aggregate the data that you submit with data from other grantees, to determine the overall impact of CEPF investment. CEPF’s aggregated results will be reported on in our annual report and other communications materials.

Ensure that the information provided pertains to the entire project, from start date to project end date.

Contribution to Global Indicators (N/A)

Please report on all Global Indicators (sections 13 to 23 below) that pertain to your project.

13. Key Biodiversity Area Management

Number of hectares of Key Biodiversity Areas (KBA) with improved management

Please report on the number of hectares in KBAs with improved management, as a result of CEPF investment. Examples of improved management include, but are not restricted to: increased patrolling, reduced intensity of snaring, invasive species eradication, reduced incidence of fire, and introduction of sustainable agricultural/fisheries practices. Do not record the entire area covered by the project - only record the number of hectares that have improved management.

If you have recorded part or all of a KBA as newly protected for the indicator entitled “protected areas” (section 17 below), and you have also improved its management, you should record the relevant number of hectares for both this indicator and the “protected areas” indicator.

Name of KBA	# of Hectares with strengthened management *	Is the KBA Not protected, Partially protected or Fully protected? Please select one: NP/PP/FP

** Do not count the same hectares more than once. For example, if 500 hectares were improved due to implementation of a fire management regime in the first year, and 200 of these same 500 hectares were improved due to invasive species removal in the second year, the total number of hectares with improved management would be 500.*

14. Protected Areas (N/A)

15a. Number of hectares of protected areas created and/or expanded

Report on the number of hectares of protected areas that have been created or expanded as a result of CEPF investment.

Name of PA*	Country(s)	# of Hectares	Year of legal declaration or expansion	Longitude**	Latitude**

** If possible please provide a shape file of the protected area to CEPF.*

*** Indicate the latitude and longitude of the center of the site, to the extent possible, or send a map or shapefile to CEPF. Give geographic coordinates in decimal degrees; latitudes in the Southern Hemisphere and longitudes in the Western Hemisphere should be denoted with a minus sign (example: Latitude 38.123456 Longitude: -77.123456).*

15b. Protected area management (N/A)

If you have been requested to submit a Management Effectiveness Tracking Tool (METT), please follow the instructions below. If you have not been requested to submit a METT, please go directly to section 16.

Should you want to know more about the monitoring of protected area management effectiveness and the tracking tool, please click [here](#).

Download the METT template which can be found on [this page](#) and then work with the protected area authorities to fill it out. Please go to the Protected Planet website [here](#) and search for your protected area in their database to record its associated WDPA ID. Then please fill in the following table:

WDPA ID	PA Official Name	Date of METT*	METT Total Score

** Please indicate when the METT was filled by the authorities of the park or provide a best estimate if the exact date is unknown. And please only provide METTs less than 12 months old.*

Please do not forget to submit the completed METT together with this report.

15. Production landscape

Please report on the number of hectares of production landscapes with strengthened management of biodiversity, as a result of CEPF investment. A production landscape is defined as a landscape where agriculture, forestry or natural product exploitation occurs. Production landscapes may include KBAs, and therefore hectares counted under the indicator entitled “KBA Management” may also be counted here. Examples of interventions include: best practices and guidelines implemented, incentive schemes introduced, sites/products certified and sustainable harvesting regulations introduced.

Number of hectares of production landscapes with strengthened management of biodiversity.

Name of Production Landscape*	# of Hectares**	Latitude***	Longitude***	Description of Intervention

* If the production landscape does not have a name, provide a brief descriptive name for the landscape.

**Do not count the same hectares more than once. For example, if 500 hectares were strengthened due to certification in the first year, and 200 of these same 500 hectares were strengthened due to new harvesting regulations in the second year, the total number of hectares strengthened to date would be 500.

*** Indicate the latitude and longitude of the center of the site, to the extent possible, or send a map or shapefile to CEPF. Give geographic coordinates in decimal degrees; latitudes in the Southern Hemisphere and longitudes in the Western Hemisphere should be denoted with a minus sign (example: Latitude 38.123456 Longitude: -77.123456).

17. Beneficiaries

CEPF wants to record two types of benefits that are likely to be received by individuals: structured training and increased income. Please report on the number of men and women that have benefited from structured training (such as financial management, beekeeping, horticulture) and/or increased income (such as from tourism, agriculture, medicinal plant harvest/production, fisheries, handicraft production) as a result of CEPF investment. Please provide results since the start of your project to project completion.

17a. Number of men and women receiving structured training.

# of men receiving structured training *	# of women receiving structured training *

*Please do not count the same person more than once. For example, if 5 men received structured training in beekeeping, and 3 of these also received structured training in project management, the total number of men who benefited from structured training should be 5.

17b. Number of men and women receiving cash benefits.

# of men receiving cash benefits*	# of women receiving cash benefits*

**Please do not count the same person more than once. For example, if 5 men received cash benefits due to tourism, and 3 of these also received cash benefits from increased income due to handicrafts, the total number of men who received cash benefits should be 5.*

18. Benefits to Communities

CEPF wants to record the benefits received by communities, which can differ to those received by individuals because the benefits are available to a group. CEPF also wants to record, to the extent possible, the number of people within each community who are benefiting. Please report on the characteristics of the communities, the type of benefits that have been received during the project, and the number of men/boys and women/girls from these communities that have benefited, as a result of CEPF investment. If exact numbers are not known, please provide an estimate.

18a. Please provide information for all communities that have benefited from project start to project completion.

Name of Community	Community Characteristics (mark with x)							Type of Benefit (mark with x)							# of Beneficiaries			
	Subsistence economy	Small landowners	Indigenous/ ethnic peoples	Pastoralists / nomadic peoples	Recent migrants	Urban communities	Other*	Increased access to clean water	Increased food security	Increased access to energy	Increased access to public services (e.g. health care, education)	Increased resilience to climate change	Improved land tenure	Improved recognition of traditional knowledge	Improved representation and decision-making in governance forums/structures	Improved access to ecosystem services	# of men and boys benefiting	# of women and girls benefiting

*If you marked "Other" to describe the community characteristic, please explain:

19b. For each law, policy or regulation listed above, please provide the requested information in accordance with its assigned number.

No.	Country(s)	Date enacted/ amended MM/DD/YYYY	Expected impact	Action that you performed to achieve this change
1				
2				
3				

20. Sustainable Financing Mechanism

Sustainable financing mechanisms generate financial resources for the long-term (generally five or more years). Examples of sustainable financial mechanisms include conservation trust funds, debt-for-nature swaps, payment for ecosystem services (PES) schemes, and other revenue, fee or tax schemes that generate long-term funding for conservation.

All CEPF grantees (or sub-grantees) with project activities that pertain to the creation and/or the implementation of a sustainable financing mechanism are requested to provide information on the mechanism and the funds it delivered to conservation projects during the project timeframe, unless another grantee involved with the same mechanism has already been or is expected to be tasked with this.

CEPF requires that all sustainable financing mechanism projects to provide the necessary information at their completion.

20a. Details about the mechanism

Fill in this table for as many mechanisms you worked on during your project implementation as needed.

NO.	Name of financing mechanism	Purpose of the mechanism*	Date of Establishment**	Description***	Countries
1					
2					
3					

*Please provide a succinct description of the mission of the mechanism.

**Please indicate when the sustainable financing mechanism was officially created. If you do not know the exact date, provide a best estimate.

***Description, such as trust fund, endowment, PES scheme, incentive scheme, etc.

20b. Performance of the mechanism

For each Financing Mechanism listed previously, please provide the requested information in accordance with its assigned number.

NO.	Project intervention*	\$ Amount disbursed to conservation projects**	Period under Review (MM/YYYY -MM/YYYY)***
1			
2			
3			

*List whether the CEPF grant has helped to create a new mechanism (Created a mechanism) or helped to support an existing mechanism (Supported an existing mechanism) or helped to create and then support a new mechanism (Created and supported a new mechanism).

**Please only indicate the USD amount disbursed to conservation projects during the period of implementation of your project and using, when needed, the exchange rate on the day of your report.

***Please indicate the period of implementation of your project or the period considered for the amount you indicated.

Please do not forget to submit any relevant document which could provide justification for the amount you stated above.

21. Biodiversity-friendly Practices

Please describe any biodiversity-friendly practices that companies have adopted as a result of CEPF investment. A company is defined as a legal entity made up of an association of people, be they natural, legal, or a mixture of both, for carrying on a commercial or industrial enterprise. While companies take various forms, for the purposes of CEPF, a company is defined as a for-profit business entity. A biodiversity-friendly practice is one that conserves or uses biodiversity sustainably.

Number of companies that adopt biodiversity-friendly practices

No.	Name of company	Description of biodiversity-friendly practice adopted during the project
1		
2		
...		

22. Networks & Partnerships

Please report on any new networks or partnerships between civil society groups and across to other sectors that you have established or strengthened as a result of CEPF investment. Networks/partnerships should have some lasting benefit beyond immediate project implementation. Informal networks/partnerships are acceptable even if they do not have a Memorandum of Understanding or other type of validation. Examples of networks/partnerships include: an alliance of fisherfolk to promote sustainable fisheries practices, a network of environmental journalists, a partnership between one or more NGOs with one or more private sector partners to improve biodiversity management on private lands, a working group focusing on reptile conservation. Please do not use this tab to list the partners in your project, unless some or all of them are part of such a network / partnership described above.

Number of networks and/or partnerships created and/or strengthened

No.	Name of Network	Name of Partnership	Year established	Did your project establish this Network/ Partnership? Y/N	Country(s) covered	Purpose
1						

2						
...						

23. Gender

If you have been requested to submit a Gender Tracking Tool (GTT), please follow the instructions provided in the Excel GTT template. If you have not been requested to submit a GTT, please go directly to Part V.

Should you want to know more about CEPF Gender Policy, please click [here](#).

Download the GTT template which can be found on [this page](#) and then work with your team to fill it out. Please do not forget to submit the completed GTT together with this report.

Part V. Information Sharing and CEPF Policy

CEPF is committed to transparent operations and to helping civil society groups share experiences, lessons learned, and results. Final project completion reports are made available on our Web site, www.cepf.net, and publicized in our newsletter and other communications.

Please include your full contact details below:

- 16. Name: Dr. Taita Terer**
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- 18. Mailing address: Box 40658-00100, Nairobi**
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- 20. E-mail address: tterer@museums.or.ke**