

ANNUAL WORKPLAN

**SUSTAINING BIODIVERSITY CONSERVATION IN AND AROUND NYUNGWE
NATIONAL PARK (NNP)
ASSOCIATE COOPERATIVE AGREEMENT N⁰ AID-696-LA-10-00001 UNDER LEADER
COOPERATIVE AGREEMENT N⁰ EEM-A-00-09-00007-00**

March 1, 2014-February 28, 2015



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PROJECT SUMMARY

Project name: **Sustaining Biodiversity Conservation in and around Nyungwe National Park, Rwanda**

Associate cooperative agreement No.: **AID-696-LA-10-00001**

Cooperative Agreement period: **5 years**

Implementing organization: **The Wildlife Conservation Society**

Planning period: **March 1, 2014-February 28, 2015**

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1. SUMMARY

This document covers activities planned between March 1, 2014 and February 28, 2015, including the last year of activities funded by USAID under the “Sustaining biodiversity conservation in and around Nyungwe National Park”, associate cooperative agreement No.AID-696-LA-10-00001.

The overriding goal of this project is that Rwanda benefits from the conservation of wildlife and sustainable use of ecosystem services in Nyungwe National Park. The principal objective is to improve the capacity of the Rwanda Development Board (RDB) to sustainably manage the park’s resources and address specific threats (fire, poaching, timber harvesting) to the park and specific species of concern. To achieve this, WCS in collaboration with partners such as ARECO, ECOTRUST, IISD, REDO, and RDB will implement a number of strategies including:

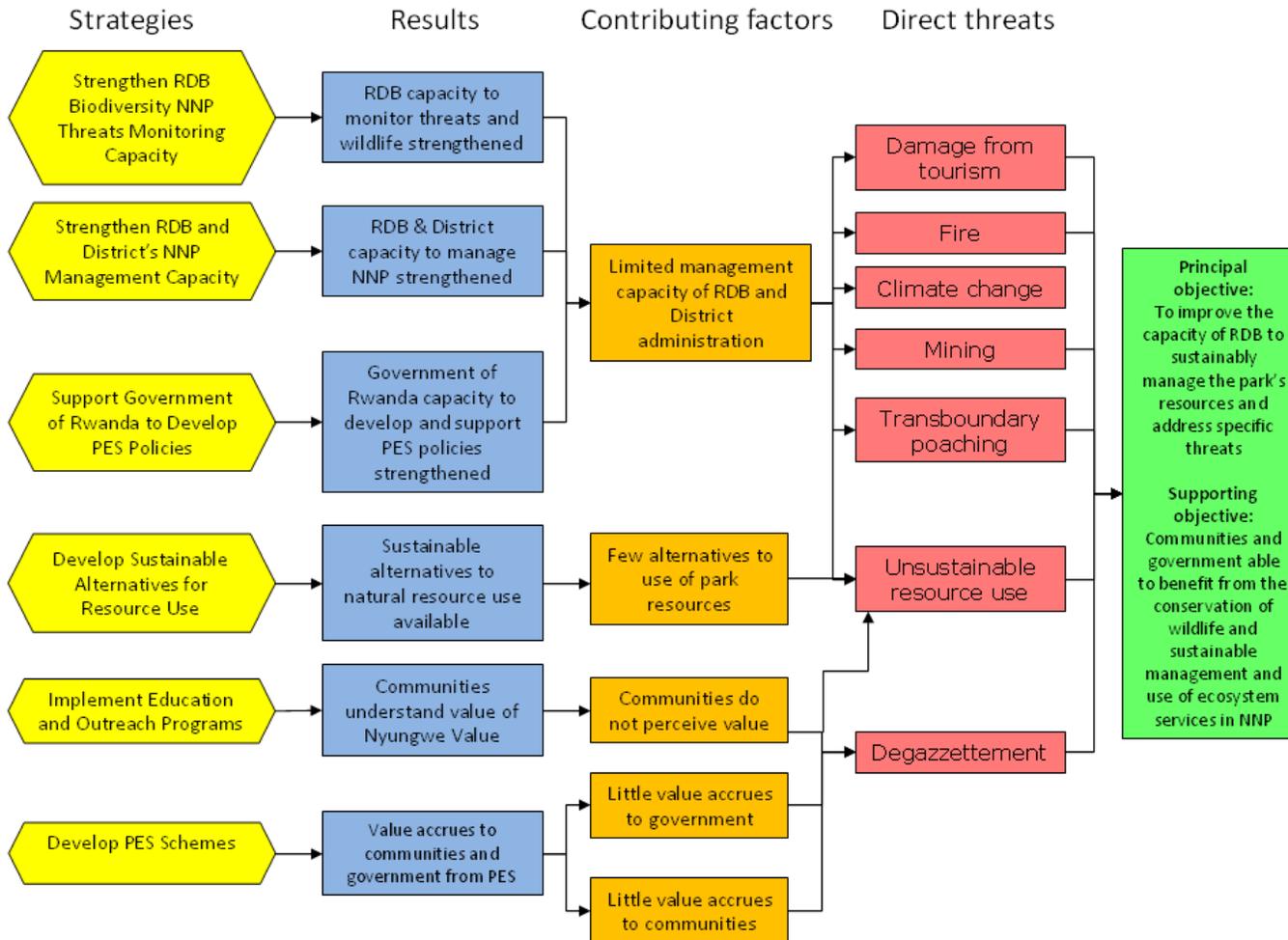
- Build capacity of Rwanda Development Board (RDB) personnel to monitor NNP biodiversity and threats;
- Build capacity of RDB and district administrations to understand, manage and resolve conflicts related to the use of natural resources, mitigate threats to biodiversity and manage tourism in NNP so as to seize opportunities while protecting the environment;
- Assist the Government of Rwanda, including RDB, the Rwanda Environment Management Authority (REMA), the Ministry of Environment and Natural Resources (MINIRENA), and other relevant government agencies and Ministries, in designing a legal and regulatory framework for Payment for Ecosystem Services (PES) while building the capacity at local and national levels to access ecosystem service markets and implement revenue sharing policies;
- Develop PES schemes that incentivize desired land uses by creating markets through which the users of environmental services compensate providers of those services;
- Introduce sustainable alternatives to the natural resource use and contribute to the conservation of this landscape while improving community livelihoods, including improving energy efficiency, putting in place alternative energy sources and developing new markets for conservation products;
- Implement education, outreach (social marketing) and park interpretation initiatives targeting dropout youth and other vulnerable groups such as women and minorities to enable them to better understand the value of Nyungwe.

This project aims to achieve six key main results:

1. *RDB capacity to assess and monitor threats and wildlife is strengthened;*
2. *RDB and Districts capacity to resolve conflicts, mitigate threats and manage tourism is strengthened;*
3. *Government of Rwanda capacity to develop and support Payment for Ecosystem Services (PES) policies is strengthened;*
4. *Government and communities are positioned to benefit from payments for ecosystem services (PES);*
5. *Sustainable alternatives to natural resource use are available;*
6. *Communities understand the value of Nyungwe.*

Strategies and activities described in the project document are aimed to address key threats to Nyungwe National Park as shown the figure below.

THREATS ANALYSIS CHART



This project was initiated in March 2010. In the last year of project implementation we intend to build on the achievements of the previous years and reach the planned objectives, in a number of key ways:

In relation to strengthening RDB's biodiversity and threats monitoring capacity, we aim to monitor the implementation of the RBM/MIST program (handover process finalized in Y4), providing ad hoc trainings (focusing on new staff) and advice to ensure the regular execution of the program as an important management tool for RDB. Additionally, following the revision of the biomonitoring priorities in NNP (carried out with RDB in Y4), a park-wide survey will be carried out to assess populations' trends (last park-wide survey was carried in 2009). Monitoring climate change will continue with the collection of data from the Climatological station, data analysis and results sharing (since Y4, climate data from Nyungwe are available on the web at: <http://www.albertinerift.org/initiatives/ClimateChange/WeatherStationData.aspx>).

In relation to conflict resolution, following-up on the work initiated by IISD, we will work with park rangers, community liaison partners (ANICOs) and District Environmental Officers to implement the conflict mitigation strategy around NNP. We will continue monitoring the effectiveness of the ANICOs work in mitigating conflict and use the evaluation results to define together a plan for sustainability after project implementation.

We will keep building on the relationship established with Kibira, promoting exchanges and collaboration between the two neighboring parks and ensuring that 4 coordinated patrols take place this period.

Concerning forest regeneration, we will finalize the last round of fern cutting in the plots cleared during the project activities. We will also keep providing assistance to the local cooperative from Banda (*Le Pilier de la Nature et de la Promotion du Tourisme* - PNPT), who in Y4 initiated the fern cutting cycles on 50ha of previously burned forest, in order to secure effective and responsible fern clearing in the park.

In relation to both strengthening knowledge and actions related to payments for ecosystem services, we aim at developing a policy brief on all PES related studies conducted around Nyungwe. This document will be prepared with the PES Task Force and presented to Government authorities with the objective to inform the development of PES policy process.

Delays in the finalization of the Project Design Document (PDD) by ECOTRUST, after initial feedback to Plan Vivo, have caused a major stall in this component of the project. All efforts will be aimed at securing the finalization of all relevant project documents in Y5.

2. PROJECT MANAGEMENT

A. Staffing Plan

Technical leadership and field coordination is provided by the Project Director, Chloé Cipolletta. The team is composed of full time staff and Short Term Technical Assistance (STTA) coupled with technical and administrative support from WCS New York, Africa Program-based staff. All the staff to be involved in the project’s implementation is in place and their responsibilities have been set to ensure timely execution of activities and reporting as described hereunder.

The Project Director, Chloé Cipolletta, has the primary responsibility for the overall project management and coordination with USAID, RDB, District leaders, and other partners including DAI. The Project Director will be supported by the WCS Country Director, Dr Michel Masozera as well as the Monitoring and Evaluation Manager, Mr Fidele Ruzigandekwe. The Monitoring and Evaluation Manager will be primarily responsible for tracking progress of all project activities against the revised PMP. Additionally, a Biodiversity Monitoring Manager, a Sustainable Finance Manager, Education Officer, Community Conservation Officer and part-time of the Rwanda Country Program Finance Manager will also be devoted to project implementation. We will work with a number of consultants and partners on specific activities such as park-wide biodiversity surveys, knowledge and attitude surveys and development of a policy brief on PES related studies conducted around Nyungwe to inform the development of the PES policy process. Further details on key staff role in the project, are described in the table below.

	Project Staff	Title	Responsibilities
Long Term Staff	Michel Masozera	Country Director	Responsible for country program management & ensures better coordination between WCS, RDB, & other government agencies. Provides technical inputs to PES & community development projects as well as liaising with senior management of RDB & INECN on issues related to transboundary conservation & NNP.
	Chloé Cipolletta	Project Director	Chief of Party, responsible for the overall management of the project. Works closely with and reports to the Country Director. Provides technical leadership and coordinates all field project activity implementation and liaise with USAID, GOR and other partners such as DAI and other USAID projects
	Fidele Ruzigandekwe	Monitoring and Evaluation Manager	Assists the Project Director in day to day program oversight- especially in terms of tracking progress against a revised PMP. Acts as a key liaison with RDB.

	Project Staff	Title	Responsibilities
	Felix Mulindahabi	Biodiversity Monitoring Manager	Supports the PCFN Director on biodiversity conservation tasks; leads the development and implementation of project monitoring of biodiversity and threats in NNP and the surrounding forest and buffer zone. Also provides technical assistance to park staff in biodiversity monitoring and reporting.
	Nicolas Ntare	Conservation and Research officer)	Assists the Biodiversity Monitoring Manager to implementing the Biodiversity Monitoring plan and coordinates junior staff.
	Mediatrice Bana	Sustainable Finance Manager	Coordination, development and implementation of sustainable financing (focused primarily on PES) mechanisms in support of the long-term conservation of Nyungwe National Park. Assists with the development and monitoring of community-based enterprises activities around Nyungwe National Park.
	Claudine Tuyishime	Education Officer	In charge of the implementation of the education component of the program. Coordination of project outreach with communities surrounding NNP, organizing meetings, workshops, and planning sessions with community leaders and other stakeholder groups.
	Joel Musaasizi	Education Officer	Provides guidance and additional capacity for the Education and Outreach program in collaboration with Claudine Tuyishime and RDB CCW Wardens.
	Vincent Hakizimana	Bee-keeping Development Officer	Acts as a key link between the project and various community target groups including honey harvesters, ex-poachers, livestock rearers etc. Provides general support to community outreach programmes.
	Madeleine Nyiratuza	Ecosystems Data Analysis Specialist	Supports Biodiversity Monitoring Manager on data analysis and reporting
	Ngango Joseph	Administration and Finance Manager	Ensures project expenses are in accordance with budget plans. Ensures timely financial reporting.
	Celestin Sebashyitsi	Admin and Finance Assistant	Manages local project finances and prepares monthly field financial reports.
	Charles Karangwa	Logistics Officer	Coordinates logistics for project staff and STTA, including support to meeting planning, vehicle maintenance etc.

Short Term Technical Advisor and Backstopping	Project Staff	Title	Responsibilities
	Graeme Patterson	WCS Africa Program Assistant Director	Provides technical and administration support at central office in New York.
	Ray Victurine	WCS NY headquarter Sustainable Finance Director	Supports Sustainable Finance team.
	David Wilkie	WCS Director, Conservation Support	Provides overall leadership and guidance to the education program.
	Nalini Mohan	WCS teacher training expert	Leads capacity building related to conservation education, material development and planning oversight for this programme.
	Tim O'Brien	WCS planning expert	Train RDB, project team and partners (KCCEM) on camera tracking.
	Andy Plumtre	WCS Director Albertine Rift Program	Support WCS team in NNP wildlife monitoring: survey design, training on data collection, entry and analysis
	Anton Seimon	WCS New York	Provides support on climate change monitoring and related training
	Bill Weber	Consultant	Will assist with evaluating overall project performance.

B. Coordination, management and partnership

In the final year of this project WCS will partner with ARECO RWANDA NZIZA, ECOTRUST and REDO in implementing activities related to community outreach, support to marginalized people, energy efficient stoves adoption, conflict mitigation and establishment of woodlots for carbon market. To ensure that the full extent of partner expertise and participation is achieved, WCS works with DAI, USAID and RDB in convening project meetings. The group is expected to meet quarterly to share information and discuss ideas and issues and keep minutes of these. Additionally WCS will coordinate closely with the DAI, the ecotourism contractor. Joint annual work plan workshops will also facilitate synergies and coordination.

Implementing partners and their roles	Partner	Roles
	ARECO Rwanda Nziza	Provides support to the Conservation Education component of the agreement, especially in relation to training and monitoring material use and impact.
	ECOTRUST	Leads the process of developing a PES strategy linked to the establishment of small-scale woodlots in order to reduce pressure on the park. This year they will complete the framework for signing agreements with those interested.
	REDO	Leads the process of promoting the introduction of energy efficient stoves in two areas surrounding NNP. Supports bee-keeping activities in the same target communities.

3. PROJECT ACTIVITIES

The project is described in the WCS proposal under 6 different strategic areas. Activities planned for year 5 in each of these strategies and outputs areas are described below.

Strategy I: Strengthening RDB's Biodiversity and Threats Monitoring Capacity

Long-term monitoring of biodiversity and threats is essential in guiding park management decisions and assessing the effectiveness of conservation strategies. Following the revision of the biomonitoring priorities in NNP (carried out with RDB in Y4), a park-wide survey will be carried out to assess populations' trends, compared to the last park-wide survey carried out in 2009 (thus just before the start of this project). With the park-wide survey design finalized in Y4, two activities related to the park-wide survey initially planned in Y4 will be shifted to Y5, specifically the production of manuals on research protocols and data management and the training in research/survey design, data collection, database management and analysis.

Under the current USAID Agreement, WCS and RDB have developed and agreed upon a 24 month work plan (started in June 2011 and finalized in August 2013), to transfer the knowledge, skills, and responsibility of ranger-based monitoring system from WCS to RDB. During Y5, we aim to monitor the implementation of the RBM/MIST program, providing ad hoc trainings (focusing on new staff) and support to ensure the regular execution of the program as an important management tool for RDB. While in Y4 all efforts on the RBM handover focused on threat monitoring, in Y5 we will focus on the RBM data on species identification and location (originally planned in Y4 but delayed), as the use of this data has yet to have been exploited. During this year, we aim at reviewing the species list for which data is collected, assessing data collection quality, conduct a refresher training on species identification and data collection, and proceed in developing a format for data analysis and results presentation. Monitoring climate change will continue with the collection of data from the climatological station, data analysis and results sharing (since Y4, climate data from Nyungwe are available on the web at: <http://www.albertinerift.org/initiatives/ClimateChange/WeatherStationData.aspx>).

Proposed activities for year 5 under this strategy are outlined in the table below:

Outputs	Activities	Period	Staff	Partners	Indicator	Target
I.1: Biological Surveying capacity of RDB Staff is strengthened	Stakeholders validation of biodiversity survey for NNP	March 2014	Felix/ Nicolas	RDB/ KCCEM, NUR		Biodiversity survey designed and validated
	Produce training manuals on research protocols and data management	March –April 2014	Felix/ Nicolas	RDB		1 training manual produced: 10 copies distributed (Y4 target delayed)
	Train WCS and RDB staff in research/survey design, data collection, database management and analysis	May 2014	Felix/ Nicolas	RDB/KCC EM	# of people receiving USG supported training in natural resources management and/or biodiversity conservation.	10 RDB & WCS staff trained (Y4 target delayed)
	Park-wide biodiversity survey	June-September 2014	Felix/ Nicolas	RDB		Biodiversity survey report produced
I.2: The Capacity in Park Protection and threat monitoring and assessment for RDB staff is strengthened	Monitor implementation of, and ad hoc support to, RBM and MIST program: data collection, analysis and reporting	March – December 2014	Felix/Nicol as	RDB/KCC EM (?)	% RDB patrols guided by analysis of MIST data	60% of RDB patrols are guided by MIST data; 12 monthly reports produced (by RDB)
	Review biomonitoring data collected by rangers	March 2014	Felix	RDB/KCC EM		List of species monitored under RBM program re-defined

Outputs	Activities	Period	Staff	Partners	Indicator	Target
	Train park staff to monitor key animal species in the park (as defined in above review)	April 2014	Felix	RDB/KCC EM	# of people receiving USG supported training in natural resources management and/or biodiversity conservation.	18 RDB & WCS staff trained; Biomonitoring data results included in RBM yearly reports
I.3: Capacity to monitor and model climate is strengthened, and baseline assessment completed	Secure regular data collection, extraction, quality control and analysis of climate data at Uwinka & Bigugu stations; training in climate data analysis with the Rwanda Meteorology Agency	March – December 2014 Training in May	Felix/Nicol as	RDB	Number of people receiving training in global climate change as a result of USG assistance	15 RDB & WCS staff trained Climate data collected, available and presented on yearly basis

Strategy II: RDB and Districts’ capacity to manage conflict, mitigate threats and manage tourism is strengthened

Sustaining biodiversity conservation in and around NNP requires firm strategies to manage conflicts and mitigate threats. These conflicts and threats stem mainly from the pressures of the high demand in natural resources from a highly growing and poor surrounding population for the purpose of its survival. Illegal harvesting of these resources creates friction between park managers who are trying to reduce illegal activities, and the local communities who rely on these resources for their survival. Some costs to living in proximity to NNP include crop raiding by wild animals, which exacerbates conflict. Some of the benefits in terms of tourism revenue sharing as well as ecological services are often not sufficiently understood.

Over the past 4 years, WCS, in partnership with IISD, has supported RDB and local communities to understand, manage and resolve conflicts as well as to promote the participation of local communities in the conflict mitigation processes. WCS continued also supporting RDB in the further development of the ANICO network as a means of improving the collaboration with communities in all sectors surrounding the park. Over the final year of the project, we will continue to strengthen the integration of the ANICOs’ work with that of the other actors active at the ground level, notably the law enforcement rangers. At the sector and cell level, the local forums organized by ANICOs will constitute a platform for addressing and finding common, long term solutions to conflict related issues, while simultaneously providing a key recognition of the ANICOs’

role by local authorities. ANICOs will continue to draw individual ‘performance plans’, which will be evaluated by park and sectors’ authorities. By the end of this year, the overall evaluation of the ANICO program will be prepared and shared with the ANICOs, DEOs and park authorities, focusing on future sustainability.

Before the onset of the dry season, fire prevention meetings will be supported and facilitated, involving local authorities, park and law enforcement agencies, at the District and Sector levels, to strategize and define roles and responsibilities to prevent forest fires as well to intervene in case of fires.

WCS will also continue to support the regular planning meetings for coordinated patrols between Nyungwe and Kibira National Parks, organized and led by RDB and INECN, in order to address the trans-boundary aspect of shared threats such as mining, poaching, bamboo harvesting, as well as encouraging the sharing of lessons learned in NNP in tourism development and promote transfer of knowledge towards the neighboring park in Burundi.

In order to secure the long term sustainability of the support provided to user groups (bee-keepers, potters, bamboo harvesters, ex-poachers/livestock groups), WCS has been assessing options of linkages with existing government development programs. Specifically, WCS is working with Sector authorities to assess the feasibility to set up a small credit program, following the VUP credit component, and partnering with the local Saving & Credit Cooperative (SACCO), to provide small loans to support small scale revenue generating activities targeting cooperatives of ex-poachers.

By the end of Year 5, all forest plots whose fern-cutting treatment was initiated under the current agreement will be finalized, allowing for the natural process of regeneration to continue without need of further assistance. We will also keep providing assistance to the local cooperative from Banda (*Le Pilier de la Nature et de la Promotion du Tourisme - PNPT*), who in Y4 initiated the fern cutting cycles on 50ha of previously burned forest, in order to secure effective and responsible fern clearing in the park.

Working closely with NNP Tourism and Research and Monitoring Wardens, WCS will provide regular support to the RDB teams monitoring tourism impact and chimpanzee habituation, especially focusing on the data collection protocols and reporting systems reviewed in Y4.

Proposed activities for year 5 under this strategy are outlined in the table below:

Outputs	Activities	Period	Staff	Partners	Indicator	Target
II.1: Capacity to understand, manage and resolve conflicts is in place	Organize joint meetings with ANICOs and Law Enforcement Rangers	May, August 2014	Claudine, Joel	RDB	# of people receiving USG supported training in natural resources management and/or biodiversity conservation	4meetings (1 per district); 100 rangers & ANICOs trained
	Provide Equipment for ANICOs	June 2014	Claudine, Joel	RDB		100% of ANICOs receive basic equipment to carry out their volunteers' role (raincoats, boots, notebooks, pens)
	Organize evaluation workshop on ANICO effectiveness in mitigating conflicts around Nyungwe National Park; present evaluation report	December 2014	Claudine	RDB		ANICO report on effectiveness and sustainability in mitigating conflicts available and presented
II.2: Communities participate in conflict mitigation processes	Support ANICOs to organize local conflict mitigation forums in high threat zones	June-July, September-November 2014	Claudine, Joel, Vincent	RDB		5 forums organized; 150 participants (30 per forum) to the forums
	Support ANICOs and local authorities in the use of RBM results to sensitize community on NNP conservation	Quarterly (and during forums)	Claudine, Joel	RDB		50% of ANICOs and DEOs use the information from RBM reports (assessed from the ANICO performance monitoring form)
II.3: Capacity to manage fire, and monitor mining and resource use impacts are in place	Facilitate meetings between park managers, local authorities and law enforcement agencies on fire fighting and prevention	June-July 2014	Vincent/Felix/Joel	RDB	# of people receiving USG supported training in natural resources management and/or biodiversity conservation	60 people (ANICOs, DEOs, RDB wardens) involved in organizing 4 meetings with authorities before dry seasons, and sector

Outputs	Activities	Period	Staff	Partners	Indicator	Target
						level meetings, on fire prevention (1000 people attending).
	Organize and facilitate trans-boundary quarterly coordinated patrol planning with Burundian counterparts	Quarterly	Nicolas	RDB, INECN	# of coordinated Nyungwe-Kibira patrols	4 coordinated Nyungwe-Kibira patrols carried out
	Provide support to user groups around Nyungwe to facilitate linkages with relevant partners and government programmes	March – October 2014	Joel/Vincent/Fidel	REDO, RDB	Number of individuals from all targeted user groups participating in the program with USG assistance	100 individuals reached
	Improve ecological conditions in areas that have been affected by wild fires in the past through forest assisted regeneration	March 2014– February 2015	Felix	RDB	# of hectares in areas of biological significance showing improved biophysical conditions as a result of USG assistance	9 ha recovered by end year 5
II.4 Tourism impact monitoring program supports adaptive management of the tourism program	Reinforce chimpanzee tourism impact monitoring data collection and analysis	March – December 2014	Felix/Nicolas	RDB	# of people receiving USG supported training in natural resources management and/or biodiversity	16 RDB staff trained

Strategy III: Strengthening the knowledge and interest of the Government of Rwanda to develop and support PES policies

Over the past years, a number of studies, assessments, models and documents related to PES in general and specifically for Nyungwe have been produced. It is important that the information gathered is presented in a clear, succinct format to secure that the Government of Rwanda has the knowledge and interest in developing and supporting policies for PES markets. The extensive review of institutional, legal and policy frameworks for developing PES (carried out in Y3), has already highlighted the need to develop a PES policy in its own right (to bring clarity of provisions from very many laws, regulations, orders and practices into a single platform of reference necessary in attracting and guiding investments into PES schemes).

In year 5, WCS will lead on the development of a policy brief, based on all PES related studies conducted around Nyungwe to inform the development of the PES policy process. These studies include the review of institutional, legal and policy frameworks for developing PES, the biophysical assessment and modelling, the Ecosystem services’ beneficiaries’ survey, socio-economic analysis and PES options preference. WCS will work with the PES Technical Task Force to lead discussions on key messages and different lessons drawn from these studies and come up with policy recommendations that will serve as a foundation for formulating the PES policy and PES implementation in Rwanda.

One main activity for year 5 is proposed under this strategy:

Outputs	Activities	Period	Staff	Partners	Indicator	Targets
III.1: The Government of Rwanda has the knowledge and interest in establishing effective PES policies that fully support implementation of PES schemes and ensure that values equitably accrue to both government and communities.	Prepare a policy brief based on all PES related studies conducted around Nyungwe to inform the development of the PES policy process	July – December 2014	Mediatrice and Michel	REMA, RDB		Policy brief available

Strategy IV: Develop (design and implement) a system of payments for ecosystem services (PES)

The development (and implementation) of the carbon project for the small-scale landholding farmers around Nyungwe has been delayed due to the slow process of documents' preparation and validation, overseen by ECOTRUST. By the end of Quarter 3 of Y4 the 'Project Idea Note (PIN)' of the 'Nyungwe Community Carbon Scheme' project has been approved by Plan Vivo (<http://www.planvivo.org/projects/registeredprojects/>), with the project's Technical Specification and PDD expected to be approved in the coming months. The reviews of the Technical Specifications and PDD are to ensure the credibility of all assumptions used and calculations made and to ensure that procedures and systems described conform to the Plan Vivo Standards and guiding principles, in particular demonstrating an effective and transparent governance structure.

Adding on the biophysical and economic assessments of Nyaruguru sub-catchment, as well as the stakeholders' mapping carried out in Y4, a survey will be conducted targeting the major water users around Nyungwe, in order to assess their preference in PES options. Different mechanism to pay for ecosystem services will be explained and discussed with the major business operators located around Nyungwe. The results of this assessment will be used, together with the other PES studies and documentations, to inform the Policy Brief, proposed under Strategy III.

Proposed activities for year 5 under this strategy are outlined in the table below:

Outputs	Activities	Period	Staff	Partners	Indicator	Target
IV.1: Payment mechanisms for ecosystem services designed, with an emphasis on watershed services and forest-carbon	Finalization of the project documents: Technical Specifications and PDD	March – June 2014	Mediatrice	ECOTRUS TREMA, RDB and ADENYA		Final PDD reviewed by Plan Vivo Foundation
	Carry out a stakeholders assessment preferences for PES options	April – June 2014	Michel, Mediatrice	REMA, RDB, USFS		Assessment report

Strategy V: Develop Sustainable Alternatives for Resource Use

The scarcity of alternatives continues to be a contributing factor to the unsustainable use of the park's resources by the population surrounding NNP. Over the past 4 years of the project, WCS has worked in partnership with Rural Environment and development Organisation (REDO) to pilot – promote Energy Efficient Stoves (EES) in two strategic sectors of Bweyeye and Nkungu (in Rusizi district), in order to address the demand side of fuel wood and hence contributing to reducing the tree cutting threat prevailing in those areas of the park. In this regard, REDO completed dissemination of EES locally known as 'Canarumwe' to 200 pilot households and monitored their efficiency. The conclusive and encouraging results of the survey carried out by REDO (14-16kg of fuel wood and 700-4000 RwF saved per month) prompted the discussions on locally availing this type of EES at lower cost by establishing a kiln in the area so as to expand these benefits to many more households of the area and beyond. Therefore, the activities planned in Year 4 consisted in carrying out a technical feasibility study for kiln construction in Nkungu sector with its efficient management by a local cooperative. This study was done by a local consultant under the supervision of REDO and will serve a basis for leveraging funds for kiln construction and also scaling up this initiative to other areas of the park where deforestation and forest degradation is occurring.

The proposed activities in this project's final year will consist in carrying out the final assessment of EES adoption by the local users and capitalize key lessons learned. Efforts will also be towards linking with other EES related national initiatives to leverage funding for the Kiln construction and also scaling up the EES technology around NNP.

With regards to creating incentives for reducing illegal bamboo harvesting, the aim remains to develop effective mechanisms for planting and harvesting bamboo from community woodlots on sustainable basis as way of increasing income and reducing pressure from the park. In this regards, during the Year 4 WCS joined efforts with RDB and Nyaruguru district to support the local cooperative 'Igihango' that had received RDB Revenue Sharing funding to establish a bamboo nursery in the Busanze sector, Nyaruguru district. WCS specifically supported the capacity building of the members of the cooperative through ensuring training in bamboo planting skills by a bamboo specialist from RAB. For the year 5 workplan, the proposed activities are geared to continuing support the monitoring and evaluation of this initiative, and linkages with other bamboo related initiatives aiming at promoting bamboo planting in the private and public (along river banks) woodlots in the area.

Proposed activities for year 5 under this strategy are detailed under each output below.

Outputs	Activities	Period	Intervention areas	Staff	Partners	Indicator	Target
V.1: Improved energy efficiency in villages around Nyungwe from introduction of fuel efficient stoves and alternative fuel sources	Review EES adoption levels	May- June 2014	Bweyeye and Nkungu	REDO/Fidelle	RDB		EES Adoption report available
	Promote linkages for scaling up EES production around NNP	June – September 2014	TBD	REDO/Fidelle	RDB		Increase EES use and production around Nyungwe
V.2 Creating incentives for reducing illegal bamboo harvesting	Support coordination of bamboo initiatives in Nyaruguru district	June-October 2014	Nyaruguru	Fidele, Vincent	RDB, Nyaruguru District, Rwanda Natural Resource Authority	Number of individuals from all targeted user groups participating in the program with USG assistance	200 individuals reached (community members receiving seedlings and cooperative members)

Strategy VI: Implement Education and Outreach Programs

During the third and fourth year of the USAID grant implementation, outreach materials and activities were designed together with the key stakeholders, and they were piloted and produced for use targeting the various segments of the community living around NNP. Additionally, good progress has been made in training the local educators (teachers and ANICOs) to play a bigger role in community education and outreach activities in schools and communities through use of the prepared materials and activities. In Y4, RDB and WCS will mainly play a supportive and monitoring role to the educators to ensure sustainability. Drama, poems, songs, competitions and church activities will be occurring in communities and schools around Nyungwe National Park using developed materials and activities listed in the outreach strategy. Local educators will take the lead assisted by WCS and RDB staff.

The implementation of the developed education and outreach strategy will be the key activity in helping inform, warn and discourage threat activities in order to help secure the NNP and the resources therein.

Proposed activities for year 5 under this strategy are detailed under each output below.

Outputs	Activities	Period	Intervention areas	Staff	Partners	Indicator	Target
VI.1: Students in formal education (primary and secondary) will adopt a positive/supportive attitude to park conservation efforts based on a clear understanding of the multiple values of NNP, reduce the adoption of unsustainable behaviors as they grow into adults, and act as advocates for the value of the Park and its conservation	Monitor use of materials and implementation of activities; carry out support visits to Environmental Clubs	May – July 2014	Sectors around NNP	Claudine / Joel	RDB		20 schools visited; 1000 students participating in education programs
	Conduct school competition on the theme 'Protect Nyungwe'	June – August 2014	Sectors around NNP	Claudine / Joel	RDB		15 schools participating in competition; 300 learners participating in competition
	Conduct school evaluation survey	September – October 2014	Sectors around NNP	Claudine / Joel/ Nalini	RDB		200 students surveyed; report comparing results with baseline data available
	Conduct an evaluation workshop for educators	January 2014		Claudine	RDB		Evaluation report; 20 teachers /school directors planning post project activities

Outputs	Activities	Period	Intervention areas	Staff	Partners	Indicator	Target
VI. 2 : Education Output 2: Vulnerable groups (community members responsible for threat behaviours in NNP) adopt a supportive attitude to the park and change their behavior based on understanding of the multiple values of NNP	Print education material (booklet and reprints of posters)	April 2014		Claudine / Joel	RDB		1000 copies of book; 300 posters reprints
	Organize community/schools outreach events in high threat zones	June – July 2014	Sectors around NNP	Claudine / Joel	RDB	# of individuals participating in the program with USG assistance	2 events organized; 2000 people attended
	Conduct evaluation survey	September- November 2014		Claudine / Joel/ Nalini	RDB	No. of House Holds Surveyed; % of surveyed community members with positive attitudes towards conservation of NNP	390 households surveyed

LIST OF ACRONYMS

AOTR	Agreement Officer's Technical Representative
CCW'S	Community Conservation Wardens
DAI	Development Alternatives Incorporated
EES	Energy Efficient Stoves
FMP	Fire Management Plan
GEF	Global Environmental Facility
GEF-SGP	Global Environmental Facility-Small Grant Program
GIS	Geographical Information System
IISD	International Institute for Sustainable Development
LEM	Law Enforcement Monitoring
M&E	Monitoring and Evaluation
MIST	Management Information System and Technology
NNP	Nyungwe National Park
PAC	Project Advisory Committee
PCFN	Projet Conservation de la Forêt de Nyungwe
PES	Payments for Ecosystem Services
PNPT	Pilier de la Nature et de la Promotion du Tourisme
RBM	Ranger-Based Monitoring
RDB	Rwanda Development Board
RNRA	Rwanda Natural Resources Authority
STTA	Short Term Technical Assistance
TBD	To Be Determined
TF	Task Force
ToR	Terms of Reference
USAID	United States Agency for International Development
WCS NY	Wildlife Conservation Society New York
WCS	Wildlife Conservation Society