



Proposal to the African Elephant Fund

1.1 Country: Nigeria

1.2 Project Title: Supporting SMART-based Ranger Patrols at Yankari Game Reserve to Strengthen Law Enforcement and Reduce Elephant Poaching

1.3 Project Location: Yankari Game Reserve, Bauchi State

1.4 Overall Project Cost: \$70,482

Amount Requested from African Elephant Fund: \$35,900

1.5 Project Duration: 12 months

1.6 Project Proponents: Federal Ministry of the Environment in collaboration with the Wildlife Conservation Society, Nigeria Program

1.7 Name of Project Supervisors: (1) Dr Elizabeth Ehi-Ebewele and (2) Andrew Dunn

1.8 Address of Project Supervisors: (1) Federal Ministry of Environment, Department of Forestry, Plot 393/394 Augustus Aikhomu Way, Utako District, Abuja, Nigeria; and (2) c/o National Park Service, Umaru Yar'adua Expressway, Abuja, Nigeria

1.9 Telephone Number: (1) +234 802 312 0106 and (2) +234 803 567 9609

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1.12 Date proposal submitted: 31 December, 2017

2.0 Project Summary:

The project aims to ***Reduce Illegal Killing of Elephants and Illegal Trade in Elephant Products*** by providing support for SMART-based ranger patrols in Yankari Game Reserve, home to Nigeria's largest elephant population. Managed by Bauchi State Government since 2006 as a game reserve, there was an increase in elephant poaching and the ivory trade during the period from 2006 to 2014. The elephant population declined dramatically from an estimated 348 in 2006 to no more than 100-150 today. The Wildlife Conservation Society (WCS) took over management responsibility for Yankari's rangers in 2014 and since 2015 there have been zero elephant carcasses recorded. While the Bauchi State Government provides some funding, WCS provides the majority of funding required for the ranger program, which currently is not sufficient to enable effective protection for the whole reserve. The proposed project will enable crucial additional protection effort for Yankari's elephants by providing support for four SMART-based ranger patrols each week. This fundamental support will include provision of field rations, camping allowances, arrest bonuses and fuel required for vehicles to support ranger patrols.

3.0 Which Priority Objectives and Activities in the African Elephant Action Plan does this project fall under?

This project addresses AEAP Priority Objective 1: Reduce Illegal Killing of Elephants and Illegal Trade in Elephant Products and AEAP Priority Objective 2: Maintain Elephant Habitats and Restore Connectivity

AEAP Priority Activity 1.1.3: Equip wildlife authority staff on the frontline of enforcement with appropriate tools to carry out their mission as safely and as effectively as possible.

AEAP Priority Activity 2.4.1: Provide adequate resources for effective management of existing protected areas and dispersal areas

4.0 Project Rationale

Yankari's elephant population has suffered a marked decline since 2006. While poaching rates have decreased since WCS took over management of the ranger force in 2014, it is now urgent to maintain this upward trend to allow the population to recover fully. This proposed project will be instrumental in enabling the strengthened protection efforts needed.

The Yankari elephant population continues to be the largest remaining population in the country although it has decreased from an estimate of 348 in 2006 to no more than 100-150 today. This dramatic decline occurred as a result of poaching for the international ivory trade. Since signing an MoU with Bauchi State Government and assuming management responsibility for the ranger program at Yankari in 2014, WCS has demonstrated that our approach to protection carries great promise for Yankari's elephants; there have been no

elephant carcasses recorded in Yankari since 2015. Moreover, the population is currently believed to be stable/increasing. It is crucial now that we pursue our strategy with increased coverage, which this project would importantly help make possible.

WCS's work in Yankari focuses on improving law enforcement monitoring through the use of SMART. SMART (Spatial Monitoring and Reporting Tool) represents a major step forward for improved site-based conservation. SMART's software and training materials both extend and simplify existing technologies for monitoring efforts to tackle poaching and other illegal activities, making those technologies more effective, efficient and user friendly. For more information please see <http://smartconservationtools.org/>

5.0 Detailed Proposal

Planning: detailed logistical planning for weekly patrols will be done jointly by the WCS project manager and senior rangers. Data and information regularly gathered from rangers, elephant satellite collars, the existing informant network throughout Yankari's neighbouring communities, community members engaged as "elephant guardians" and from the use of the SMART law enforcement monitoring tool, will be integrated for improved effectiveness of patrol planning,

Procurement: field rations for ranger patrols (including cornflour, rice, oil, sardines, salt etc.) will be purchased locally and from local farmers. Fuel for vehicles used to support ranger patrols will be purchased in Bauchi and transported to Yankari in drums. We will also purchase 4 new CyberTracker devices for operating SMART in the field.

Implementation: 48 patrols will be organised each quarter by the WCS project manager based at Wikki camp in the centre of the reserve (a total of 48 patrols over the 12-month grant). Each patrol team is made up of 6-7 rangers employed by Bauchi State Government and lasts for 5-6 days at a time. Patrols are done by foot, but require close vehicle support to carry field rations and camping equipment. Data collected by rangers on handheld devices will be downloaded into the existing SMART database at the end of each patrol, and we will organize a SMART refresher training to build on rangers' existing skills and knowledge

Monitoring and Evaluation: WCS a detailed report each quarter that lists the number of patrols achieved, the distance patrolled, the number of arrests made and the number of elephant carcasses discovered. This quarterly report will be widely distributed by email and will be posted on the WCS Nigeria website. Shorter reports will also be produced each month for internal purposes. At the end of the project a representative of the Federal Ministry of Environment will visit Yankari to evaluate the effectiveness of the project.

Reporting: a comprehensive final report will be submitted by the Ministry of Environment in collaboration with project partners: Bauchi State Government and WCS.

Anticipated Outputs and Benefits

Output 1: 48 anti-poaching ranger patrols organized each quarter. These camping patrols last 5-6 days.

Benefit 1: anti-poaching patrols reduce levels of elephant poaching; field allowances improve level of morale and motivation among poorly-paid rangers.

Output 2: SMART refresher training workshop organized for rangers, building on their existing skills and knowledge.

Benefit 2: use of SMART at Yankari demonstrates effective law enforcement, adapting to emerging on-the-ground needs and threats at the site.

Output 3: quarterly reports circulated and posted on WCS Nigeria website <https://nigeria.wcs.org/>

Benefit 3: the effectiveness of the project is constantly monitored and all stakeholders fully engaged and committed.

Output 4: a final report is produced at the end of the project that evaluates the project outcomes and benefits.

Benefit 4: the impact of the project is known and acknowledged by all project stakeholders.

6.0 Project Timeline

Milestone	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Purchase of sufficient field rations & fuel each quarter	X	X	X	X
48 patrols organized each quarter	X	X	X	X
SMART refresher training workshop in Q2		X		
Detailed report produced each quarter	X	X	X	X
Evaluation & final report in Q4				X

BUDGET

7.0 Has this project received or been pledged any other sources of funding (external)? Give all relevant details (for example, amount, source of funds, timetable, any restrictions):

Yankari:

U.S Fish and Wildlife Service \$13,189 (1 October 2017 to 30 September 2018)

Bauchi State Government \$13,266 (Yearly supporter)

Omaha Zoo \$3,738 (January 2018 to December 2018)

Derald H. Ruttenberg Foundation \$4,389 (January 2018 to December 2018)

7.1 Please provide a detailed proposed budget for this project (in US\$). You may find it helpful to relate expenditure to the Phases you have set out in Section 5.0

Details included in Table annexed to the document:

Any other budget lines:

7.2 Please specify the proponents contribution towards the project

The proponent support is \$26,455 (U.S Fish and Wildlife Service and Bauchi State Government)

Please submit the completed proposal by: 31 December 2017

Email: africanelephantfund@unep.org

You should receive acknowledgement of receipt of your proposal within 14 days. If you do not receive such an acknowledgement, please telephone: (254) 20 7625069 / (254) 20 762 5046

Further details on any of the above details may be requested by the Steering Committee of the African Elephant Fund.

TEMPLATE FOR PRESENTATION OF PROJECT BUDGET TO THE AFRICAN ELEPHANT FUND
(Section 7.1 of the Project Proposal template)

FULL PROPOSAL BUDGET					
BUDGET LINE	Quantity/Days/ Participants	Cost/Unit	Expected source of funds and amounts		
			AEF	PROPONENT (GOVT.)	Other (Other NGO)
EQUIPMENTS/ GEAR/ SUPPLIES					
(If applicable list all purchases)					
Field rations (for 16 remote patrols/month)	192 patrols	\$92	\$7,600	\$7,064	\$3,000
Vehicle fuel (5 vehicles @ \$178/vehicle/month)	12 months	\$890	\$4,000	\$5,000	\$1,680
4 cybertrackers & accessories	4 pieces	\$750	\$3,000		
Office supplies	12 months	\$20	\$240		
Utilities (generator fuel)	12 months	\$47	\$564		
Communication (phone credit & data)	12 months	\$50	\$200	\$400	
TRAINING/CAPACITY BUILDING					
(If applicable: note number of participants, locations/venues, fees involved, activities involved, etc.)					
SMART refresher training for rangers to be held in Yankari for 2 days	1 Event	\$663	\$663		
PRODUCTION OF AWARENESS & EDUCATIONAL MATERIALS					
(If applicable note all materials and prices for each item)					
CONSULTANCY/PROFESSIONAL BACKSTOPPING SERVICES					
(If applicable note all services, number of consultants)					
Camping allowance (for 16 remote patrols/month)	192 patrols	\$102.51	\$10,920	\$7,272	\$1,490
Vehicle servicing (5 vehicles @ \$70/vehicle/month)	12 months	\$350	\$2,000	\$2,200	
Vehicle insurance (5 vehicles @ average insurance cost of \$230 each)	1 year	\$1,150	\$581		\$569
Overhead cost (20.60% of total direct costs)			\$6,132	\$4,519	\$1,388
MEETINGS AND WORKSHOPS					
(If applicable note all activities, number of participants involved, venues, etc.)					
TOTAL			\$35,900	\$26,455	\$8,127

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(Section 7.1 of the Project Proposal template)

Note: AEF funding does not offer provisions for:

- 1) Salaries**
- 2) Daily allowances & accommodation, unless it is part of training or activities in remote / rural areas**
- 3) Transport/ flights**
- 4) Vehicles, excluding bicycles and motorbikes**
- 5) Educational programmes - bursaries & interns.**