

The Rufford Foundation

Final Report

Congratulations on the completion of your project that was supported by The Rufford Small Grants Foundation.

We ask all grant recipients to complete a Final Report Form that helps us to gauge the success of our grant giving. We understand that projects often do not follow the predicted course but knowledge of your experiences is valuable to us and others who may be undertaking similar work. Please be as honest as you can in answering the questions – remember that negative experiences are just as valuable as positive ones if they help others to learn from them.

Please complete the form in English and be as clear and concise as you can. We will ask for further information if required. If you have any other materials produced by the project, particularly a few relevant photographs, please send these to us separately.

Please submit your final report to jane@rufford.org.

Thank you for your help.

Josh Cole, Grants Director

Grant Recipient Details	
Your name	Derek Lee
Project title	Science, Education and Advocacy for Community Conservation of Tropical Ungulates II: Documenting Wildlife Management Area (WMA) Effectiveness
RSG reference	17214-2
Reporting period	Final
Amount of grant	£4928
Your email address	derek@wildnatureinstitute.org
Date of this report	24 July 2016

1. Please indicate the level of achievement of the project's original objectives and include any relevant comments on factors affecting this.

Objective	Not achieved	Partially achieved	Fully achieved	Comments
Scientifically examine the effectiveness of recently established WMA near Tarangire National Park to provide data-driven evidence whether these areas are working for ungulate conservation.			X	Data collection and analyses were completed and report was written (see attachment).
Educate decision makers about their short-term conservation outcome			X	Report has been disseminated to many NGOs and decision makers, and additional outreach is ongoing.

2. Please explain any unforeseen difficulties that arose during the project and how these were tackled (if relevant).

El Niño weather conditions brought above-average rainfall that made some survey routes impassable in the rainy season of 2016. We adjusted our surveys to allow us to continue our work and make the desired number of surveys after the roads had dried enough to be drivable.

3. Briefly describe the three most important outcomes of your project.

1. Our wildlife surveys have enlarged our unique database of continuous, long-term wildlife data for the area, allowing scientific data-driven management decisions and quantitative assessment of conservation actions and impact assessment.
2. Our analyses of WMA effectiveness is the first assessment of quantified ecological outcomes from this conservation action (see attached report on Randilen WMA).
3. Our results clearly demonstrate a positive conservation outcome that should strengthen support for this tool among local and international conservation practitioners. The dozens of WMAs created in Tanzania are all

struggling as they find their way as new organisations finding their way in a landscape of competing entrenched administrations and agencies. Inexperienced local grassroots stakeholders are navigating a

4. Briefly describe the involvement of local communities and how they have benefited from the project (if relevant).

Our primary, long-term goal remains the establishment of one or more successful community-driven Wildlife Management Areas (WMA) in the Northern Plains, the last remaining migration route for ungulates in the Tarangire Ecosystem. With this WMA, the local communities will see direct economic benefit from wildlife conservation, and wildlife populations are expected to grow. Previous funding from Rufford enabled Wild Nature Institute and our partners to establish community-led environmental forums that continue to meet regularly, and provide an opportunity to present our scientific data to villagers.

As part of our expanded surveys into Burunge WMA on the west side of Tarangire National Park, we met with the leaders of the WMA to establish relationships and explain our work to the community, and we employed a local game scout to assist us with surveys. We are teaching Ranger Florian how to conduct distance-sampling surveys. In this way we are increasing the capacity of the local community in science-based wildlife monitoring.

5. Are there any plans to continue this work?

Yes, our research, data collection, and analyses are ongoing. Our monitoring in Randilen WMA will continue, and we have expanded to add Burungi WMA to our efforts to monitor wildlife populations there. We are also working on a habitat model of migratory wildebeest in the Tarangire ecosystem that will help define land-use planning to protect Masai pastoralist and wildlife mobility.

6. How do you plan to share the results of your work with others?

Our outreach and education efforts are ongoing. We have emailed our report to several stakeholders and key decision makers among the government and NGO community in Arusha, and will follow up with face-to-face meetings with them and additional interested parties. Our primary outreach target is village community members in villages with existing and planned WMAs around Tarangire National Park. Our partners Inyuat e Maa are facilitating village environmental forums in 10 of these villages, and they will present our findings at upcoming forum meetings.

7. Timescale: Over what period was the RSG used? How does this compare to the anticipated or actual length of the project?

1 year, as planned.

8. Budget: Please provide a breakdown of budgeted versus actual expenditure and the reasons for any differences. All figures should be in £ sterling, indicating the local exchange rate used.

Item	Budgeted Amount	Actual Amount	Difference	Comments
Landcruiser insurance, registration, maintenance	1280	1280	0	
Fuel for surveys	384	384	0	
Tanzanian field assistant	640	640	0	
TZ research permit	1568	1568	0	
Work Visa	416	416	0	
Outreach Transport, Food, and Lodging	640	640	0	
TOTAL	4928	4928	0	

9. Looking ahead, what do you feel are the important next steps?

Despite the apparent positive conservation outcome, our results do not imply that current efforts are sufficient to sustain wildlife populations in this WMA in the longer term. Using our methods, populations of livestock and resident ungulates can be continuously assessed, and any conservation or management actions can be easily quantitatively evaluated. The high variability of wildlife densities over time requires regular long-term monitoring. We are planning to continue conducting surveys as funding allows.

10. Did you use the RSGF logo in any materials produced in relation to this project? Did the RSGF receive any publicity during the course of your work?

Yes, we mention Rufford in our reports and communications regarding this project, including the scientific manuscript in preparation. We also include the Rufford SGF logo on our website where we promote and disseminate the results of our work.

11. Any other comments?

We are extremely grateful to RSGF for supporting this critical work in this biological hotspot.

