

The Rufford Foundation

Final Report

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

We ask all grant recipients to complete a Final Report Form that helps us to gauge the success of our grant giving. The Final Report must be sent in **word format** and not PDF format or any other format. 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. Please note that the information may be edited for clarity. 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	Jesús Nazareno Pinto Ledezma
Project title	The Hyacinth macaw program: population status and conservation of the Hyacinth macaw
RSG reference	13506-2
Reporting period	May 2013 – June 2014
Amount of grant	£5457
Your email address	jesuspintoledezma@gmail.com
Date of this report	2014/08/10

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
To develop a specie-habitat monitoring programme that will provide a number of locations to measure the hyacinth macaw population and its habitats through of a systematic collection of data.			X	This objective was fully achieved, mainly for the help the park rangers and the local communities. Additionally, is important to note that the local people is very commitment with the conservation of the hyacinth macaw. The work with the local communities was important because they help to identify more locations for censuses and to identify environmental issues at local scale.
To measure, with in each one of the areas actually used by the species, the proportion of different land cover and land use change and their impacts on the species			X	This objective also was fully achieved according the project. Based on the objectives 1 and 2 we are preparing an article about the status and conservation of the hyacinth macaw.
To design and apply effective education campaigns once the above objectives are accomplished.		X		Although educational campaigns has been conducted according the proposal, the teamwork and I think that is very important to continue with these campaigns in more localities to try to involve more people in the conservation of the species. Based on this, the teamwork and I indicated that the level of achievement was partially achieved.
To train park rangers to conduct the monitoring programme and disseminate information locally.			X	Fully achieved. This objective was done in conjunction with the objectives 1, 2 and 3. Is important to note that the park ranges are very interested and commitment with learn new methods and apply these ones in the conservation the species and its habitats.

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

The unique difficulty was the access to the study area, because at difference of previous years the period between 2013-2014 was very wet, with a mean of 1350 mm. The mean accumulated for the

last 10 years (same period – September to April) is only 1117 mm. Data provided by the National Service of Meteorology and Hydrology of Bolivia (SENAMHI).

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

As mentioned above in the table of achievements, the three most important outcomes were:

- a) The teamwork and the local park ranges develop a species-habitat monitoring protocol, that serve for monitoring the species each year. At this time, the park ranges are applying this protocol.
- b) We develop the most accurate census for the hyacinth macaw in Bolivia and measured the habitat characteristic at landscape level. This data is serving for writing two research articles, which increase the knowledge of the species in Bolivia.
- c) Other of the main outcomes was the presentation of the project and its results in the Fourth Bolivian Congress of Ecology. In this congress, the teamwork present two oral presentations and develop a special presentation of the general results. The oral presentations were title: “Desarrollo de un modelo espacial explícito de hábitat para la paraba Jacinta (*Anodorhynchus hyacinthinus*) en el Pantanal Boliviano (Santa Cruz, Bolivia)” and “Distribución pasada, presente y futura de las especies: la paraba Jacinta (*Anodorhynchus hyacinthinus*) un caso de estudio”

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

5. Are there any plans to continue this work?

Yes, because the plan is to stablish a conservation program for the species in Bolivia.

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

At this time, the project were shared in the Fourth Bolivian Congress of Ecology but, we (the teamwork and I) believe that the best form to share results is through the publications. In this sense, until now, we publish two papers in local journals and we plan to publish two other papers in international journals.

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

As mention in the response number 2, the only unforced difficulty was the local climate, despite of that, the time scale was followed as mention in the proposal.

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
Food 3 people for 45 days	1350	1350	0	
Vehicle rental (4x4) for 45 days	2700	2700	0	
Fuel 800 litters	0	400	400	Difference was covered by the Carrera de Biología of the Universidad Autónoma Gabriel René Moreno.
Voice recorder (1 unit)*	0	300	300	
Binoculars (2 units)*	250	500	250	Difference was covered by the budget granted by the National Academy of Sciences of Bolivia in Santa Cruz.
Education materials (300 units)	500	1000	500	Difference was covered by the budget granted by the National Academy of Sciences of Bolivia in Santa Cruz.
Local guides and support (2 people)	0	320	320	Difference was covered by the budget granted by the National Academy of Sciences of Bolivia in Santa Cruz.
Contingency (10%)	657	657	0	
Total	5457	7227	1770	

*All the equipment purchased by the grant was conferred to the Department of Ecology of the Carrera de Biología and will serve for others investigations and in the formation of students.

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

Based on the results obtained until now the next step are the following:

- a) First that all, publish the information obtained in the project in local and international journals.
- b) Continue with the monitoring of the species and its habitats, following the protocol development according the objective one.
- c) Continue work with more localities, mainly in the southern part of the ANMI San Matías.
- d) Train students who will be future conservationists

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

Yes, we used the logo in the education campaigns (see objective 3 in table 1) and the oral presentations in the Fourth Bolivian Congress of Ecology. In addition, we used the name of the RSGF in the acknowledgements of the research papers.

11. Any other comments?

Is important to note that the without the grant this work was not be possible. In addition, the grant served as a seed found to obtain more grants mainly of the National Academy of Sciences of Bolivia in Santa Cruz (Project ANCSC-UPSA-01-2011 and ANCSC-UPSA-02-2013).