

Final Project Evaluation Report

Your Details	
Full Name	Sanej Prasad Suwal
Project Title	Inventory of butterflies and conservation initiatives in Rara National Park, Nepal
Application ID	24373-2
Grant Amount	£5000
Email Address	Sanej100@gmail.com
Date of this Report	November 11, 2018

1. 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
Butterfly Checklist				44 butterfly species were documented belonging to four families - Lycaenidae (12), Nymphalidae (24), Papilionidae (two), Pieridae (six).
Awareness campaign				Awareness campaign has enhanced the level of understanding regarding butterfly conservation.
Field based training				Forty-nine people including school students and park people directly benefitted from field-based training. A butterfly watcher group was formed that includes park people as well as community.
Communication materials				Stickers, brochures, bookmarks, calendar, booklets, t-shirts.
Butterfly diversity				Shannon diversity index is 1.5938 i.e. less diversity. Post monsoon season is less diverse.
Butterfly distribution				29 species shows clump distribution and 15 species shows uniform distribution.
Informative conservation board				Three informative boards were established. Two at bufferzone (Talcha airport and Mugu village) and one at park headquarters.

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

Weather has hindered expected detail field work to complete by July 2018. Due to early monsoon we only completed the preliminary survey before July. Detailed fieldwork was completed in first week of October 2018.

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

1. Public and park people get basic information on butterflies.
2. Butterfly checklist of Rara National Park.
3. Forty-nine people, including locals and park people, benefit with field-based training. Butterfly watchers group was formed.

4. Briefly describe the involvement of local communities and how they have benefitted from the project.

During the research period we involved local persons as field guides from respective place as per their time availability. We provided local participants with research skills, methodologies and basic identification of butterfly species. Not all the community living around buffer zone benefitted from this field work because it was difficult to reach every area. However, a few communities and schools benefitted and it's far better rather than none.

The local participants on field based training also advanced considerable care to wildlife in their area.

5. Are there any plans to continue this work?

Definitely, there are still lots to do and explore in context of butterflies of Nepal. Highland of Nepal is less approached for research due to its difficult topography. So my next research trip is to cover highland landscape to study butterfly.

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

The results will be shared through:

- i. Journal paper.
- ii. Social media.
- iii. Publication of checklist and informative posters through online as well as publication.
- iv. Sharing workshop with governmental, nongovernmental and students.
- v. Publication of e-calender.
- vi. Through blog.

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

The grant was used for 8 months from March – October 2018. The actual length of the project was greater than the anticipated. The detailed field research and field-based training for community and park people has to be postponed to September

due to an early monsoon (July and August). The field work was completed by October 2018.

- 8. Budget: 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. It is important that you retain the management accounts and all paid invoices relating to the project for at least 2 years as these may be required for inspection at our discretion.**

Item	Budgeted Amount	Actual Amount	Difference	Comments
Field Equipment	548	548	-	
Field Work	2467	2467	-	
Field based training and educational program	997	997	-	
Publication and media outlets	677	677	-	
Information board	132	141	+9	
Personnel	179	170	-9	
Total	5000	5000		

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

I feel this research must be continued for the next season. This field visit provides the checklist for only the post-monsoon season. We cannot assure this checklist is final or complete without doing research throughout a year at least. A sensitisation and conservation programme should be run in collaboration with governmental and non-governmental bodies

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

The logo was used in posters, brochures and banners used for different promotional and awareness campaign.

- 11. Please provide a full list of all the members of your team and briefly what was their role in the project.**

It was team of three members. Myself as field coordinator, **Bimal Raj Shrestha** and **Bibek Shrestha** were as research assistant. **Prithivilal Rokaya** and **Kaashi Chandra Rokaya** joined this team as local guide. My major job was to lay out work plan, map reading,

and transect plan whereas both of them assist me to carry transect walk, species identification, note taking

12. Any other comments?

I am truly grateful to The Rufford Foundation, UK for granting this project. We look forward to receive further more support in future.

Butterfly Checklist of Rara National Park ©Sanej Prasad Suwal/The Rufford Foundation

SN	Number	Family	Species
1	1	Lycaenidae	Large Hedge Blue
2	2	Lycaenidae	Common Hedge Blue
3	3	Lycaenidae	Purple Sapphire
4	4	Lycaenidae	Common Copper
5	5	Lycaenidae	Sorrel Sapphire
6	6	Lycaenidae	Nepal Meadow Blue
7	7	Lycaenidae	Common Meadow Blue
8	8	Lycaenidae	Peablu
9	9	Lycaenidae	Common Flash
10	10	Lycaenidae	White Banded Copper
11	11	Lycaenidae	Dusky Hedge Blue
12	12	Lycaenidae	Common Satyr
13	1	Nymphalidae	Straited Satyr
14	2	Nymphalidae	Queen of Spain Fritillary
15	3	Nymphalidae	Blue Admiral
16	4	Nymphalidae	Red Admiral
17	5	Nymphalidae	Common Indian Tortoiseshell
18	6	Nymphalidae	Blackvein Fritillary
19	7	Nymphalidae	Common Sergeant
20	8	Nymphalidae	Himalayan Sergeant
21	9	Nymphalidae	Himalayan Four Ring
22	10	Nymphalidae	Large Three Ring
23	11	Nymphalidae	Circe
24	12	Nymphalidae	Common Tree Brown
25	13	Nymphalidae	Common Forester
26	14	Nymphalidae	Small Tawny Wall
27	15	Nymphalidae	Chocolate Pansy
28	16	Nymphalidae	Common Wall Brown
29	17	Nymphalidae	Pallid Argus
30	18	Nymphalidae	Large Silverstripe
31	19	Nymphalidae	Striped Tiger
32	20	Nymphalidae	Painted Lady

33	21	Nymphalidae	Nepal Comma
34	22	Nymphalidae	Common Woodbrown
35	23	Nymphalidae	Club Beak
36	24	Nymphalidae	Common Sailor
37	1	Papilionidae	Common Yellow Swallowtail
38	2	Papilionidae	Common Blue Apollo
39	1	Pieridae	Small Cabbage White
40	2	Pieridae	Dark Clouded Yellow
41	3	Pieridae	Small Grass Yellow
42	4	Pieridae	Common Brimstone
43	5	Pieridae	Lesser Brimstone
44	6	Pieridae	Large Cabbage White



