

The Rufford Small Grants 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. 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	
Full name	Nguyen Thi Thanh Thuy
Project title	Extension of community-based mangrove restoration model focusing on fallow shrimp-farming ponds in Cam Ranh, Khanh Hoa
RSG reference	22.07.08
Reporting period	September 2008 –September 2009
Amount of grant	£6,000
My email address	thuyduongio@yahoo.com.vn
Date of this report	31 October 2009

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
Global objective: To extend the model of community-based mangrove restoration focusing on fallow shrimp-farming areas and to utilize those areas for the extension of shrimp culture			x	- The local communities participated in the project's activities and understand benefits of mangrove restoration
Specific objectives				
1.1. Replanting 10 ha of mangroves focusing on fallow shrimp-farming areas			X	The survival of mangroves ranged from 30-80% with average of $56.22 \pm 26.35\%$.
1.2. Improving awareness of the local communities through project's activities; Promoting the purpose of Rufford Small Grant in nature conservation			x	- The local people are trying to avoid damaging the new mangroves.
1.3. Utilize local mangrove propagules to extend the model	x			There were very few mangrove propagules in Khanh Hoa so they were not available for replanting

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

The selected areas for project's activities were changed: the purpose of the project is to extend the model of community-based mangrove restoration focusing on fallow shrimp-farming areas in Van Ninh District, Khanh Hoa. However, after surveying field trips and discussing with the local authorities, we were informed that the selected areas will be used for building a railway in 2020 according to the local plan. Therefore, it took more time for us to survey sustainable sites for mangrove restoration and the project areas were moved to Cam Ranh Town.

The survival of replanted mangroves was affected by storm and flood: according to our proposal's schedule, mangrove's restoration was carried out once. However, the first mangrove restoration was almost completely swept away by a storm and flood in November 2008. We had to replant mangroves three times while having difficulties collecting mangrove's propagules in Can Gio because it was propagule off season.

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

- The replanted mangroves reduce environmental pollution in the areas as they develop the mangroves absorb nutrients and trap sediment.
- The success of the project improved awareness of the local authorities and communities and promoted Rufford Small Grant in term of mangrove restoration.

- After 9 months of replanting, the mangroves have grown well, resulting in the areas becoming more beautiful and the local people are happy will avoid damaging new mangroves while they catch benthos in the areas.

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

- The livelihood of the local communities relies mainly on exploitation of aquatic benthos. In the long term (after five to six years) when the new mangrove propagules develop into adult mangroves, the areas will be a good habitat for aquatic species and benthos development. Resulting in improved natural resources especially benthos numbers and greater biodiversity.
- In the long term the adult mangroves can become a green belt. This will reduce the impact of floods and waves in the area, reducing erosion, and improving environmental quality. Therefore, the local people can utilize the areas for an extension of aquaculture.

5. Are there any plans to continue this work?

- Handing over the project's areas to the local authority for protecting and managing the mangroves
- Still, there are many fallow shrimp areas in Khanh Hoa, and we can extend this model to other areas in the province.

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

- The results of the project have been posted in the workshop of technology and science for sustainable development in Khanh Hoa.
- Khanh Hoa Television visited the project areas and reported the project's activities on KTV and VTV1.

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

The project lasted 12 months as per the proposal, and in which the mangroves were replanted three times.

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* £ sterling	Actual Amount	Difference	Comments
Traveling cost for project's activities: renting car, rooms, etc. 24 surveys x 25p/survey	600	400	+ 200	Approximately estimated. The way to new selected areas nearer than that to Van Ninh

				District
Field works: 24 surveys*3people*2d*6P/day	864	864	-	Approximately estimated.
Mangrove seeds/ propagules 3000seeds x 10ha x 0.1p	3,000	3,450	- 450	The mangroves have been replanted 3 times. So more funds requested
Transportation cost of mangroves propagules: from Can Gio, HCM City to Cam Ranh, Khanh Hoa: 2 times x 200p	400	450	-50	3 times of transportation instead of 2 times as the proposal. So more funds requested
Pesticides & organic fertilizers for treatment and taking care regularly	236	66	+170	Approximately estimated.
Wage for local Authorities staffs 2people * 3P/day* 5d*10 months	300	300	-	Approximately estimated.
Research work: 2 people* 7months * 30P/month	300	420	- 120	Approximately estimated.
Training/Meeting/ summing up: stationary, refreshment, etc.	300	50	+ 250	Approximately estimated.
TOTAL	6,000	6,000	0	* 1 £ sterling = 30.000VND

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

- Educating the local communities to protect and replanted mangrove areas
- Continuing replanting mangroves in other fallow areas.

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, The RSGF logo was used at the project site.