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	
Your name	Ben Wainwright
Project title	Indonesian gene flow and implications for potential marine conservation strategies
RSG reference	8259-1
Reporting period	Final Report
Amount of grant	£6000
Your email address	BW2@Hawaii.edu
Date of this report	

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
Sample collection		X		Over 50% of the samples have been collected. In the process the equator was crossed eight times and more than 11,000 km was travelled. The remaining samples will be collected in the summer of 2011. Presently more than 2500 samples have been collected from 14 separate species. Sampling so far has been very successful.
Village education – The benefits of MPAs		X		At each of the sampling sites presentations were given to village members by accompanying scientists from the Indonesian Institute of Science (LIPI). Reactions were favourable. Presentations will be given at the remainder of the sample sites in the summer of 2011
Genetic Technique Demonstration to LIPI scientists			X	The methods used to preserve samples for genetic analysis were demonstrated. DNA extraction techniques and methods to ensure DNA integrity were also performed. This will be expanded over the summer of 2011 to demonstrate the methods and computer programmes used to analyse the data.
Develop microsatellite libraries for all collected species		X		Work is on-going and should be completed in the next few months.

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

None

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

More than 2500 samples were collected for genetic analysis from over 50% of the sampling sites which will help build up a better picture of the connectivity between different reef areas in Indonesia allowing connectivity to be incorporated in future MPA design.

The benefits of MPAs and this projects aims were discussed at each sampling location in clear and concise terms. These talks were given in the native language by Indonesian scientists using real

examples of successful MPAs in Indonesia to demonstrate the value of MPAs. Audiences generally appeared receptive and positive.

LIPI scientists were made aware of the power of conservation genetics and shown the techniques and methods used to create relevant data. This will hopefully facilitate the implementation of future conservation genetics research programmes both marine and terrestrial environments.

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

At each sampling site presentations were given by accompanying LIPI scientists in the native language. These presentations explained the work we were performing and whey we were doing it. We also explained why MPAs were a good thing if correctly implemented by using real examples of successful MPAs throughout Indonesia that are providing a much more stable and reliable income than extractive activities could provide.

5. Are there any plans to continue this work?

Yes, the remainder of the samples will be collected over the summer of 2011. Funding dependent this project will be expanded to incorporate all the countries in the Coral Triangle (Malaysia, Philippines, PNG, Solomon Islands and Timor Leste).

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

At least 10 peer reviewed scientific publications will result from this work. Results will also be disseminated at international symposia and conferences.

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

Due to logistical reasons initial sampling was performed between May and Aug 2010. The finial samples will be collected between May and Aug 2011. The original plan was to collect all samples between Jan 2011 and May 2011. The rest of the project remains on the original timescale.

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
DNA Sequence Generation	6000	6000	0	This is as expected
Total	6000			

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

Collect the remainder of all samples, complete microsatellite library development, finalise analysis of data and disseminate accordingly.

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?

Not yet, but future presentations will use the logo and RSGF will be credited as funders in all papers, reports and conferences.

11. Any other comments?

The project is progressing as anticipated and I am currently very happy with the progress accomplished to date. Thank you for supporting this work.