

**DARWIN INITIATIVE PROJECT SCHEDULE ref: 162/08/176**

**Organisation name :** UK Foundation for the South Pacific (UKFSP) in partnership with various organisations in Fiji but principally the Foundation for the South Pacific (Fiji) (FSP/Fiji)

**Name of project :** Coral Reef Conservation in Fiji

**Project purpose :** To reduce pollution of coral reefs in Fiji.

**Project objectives :** To raise awareness among communities of the importance of coral reefs and the implications of water and waste management on the marine environment and encourage community initiated simple waste management innovations; to prepare a water management plan and strategy for the region identified; to identify and develop ecological water and waste management technologies for one hotel and one small community; to train local counterparts in the design, construction and maintenance of appropriate technologies; to collaborate with DETR in the production of specific strategies that could be incorporated under Fiji's National Biodiversity Strategy and Action Plan.

**Length of project :** July 1999 for 2 years

**Total project cost :** £97,760

**Darwin funding profile :** 1999/2000 £24,353; 2000/2001 £39,540; 2001/2002 £13,667

**Other sources of funding :** Partners will contribute £20,200 for salaries and labour and local materials.

**Expenditure profile :** see Table A

**Target outputs :** see Table B

**Implementation timetable with milestones :** see Table C

**Key staff inputs :** see Table D

<b>Reporting requirements :</b>	31 October 1999	First report (1.7.1999 to 30.9.1999)
	30 April 2000	Annual report (1.7.1999 to 31.3.2000)
	31 October 2000	Six month report (1.4.2000 to 30.9.2000)
	30 April 2001	Annual report (1.4.2000 to 31.3.2001)
	30 September 2001	Final report.

**Arrangements for monitoring trainee outcomes :**

There will be several areas of training:

All training will be hands on and practical. Monitoring will be on-going and include a combination of observation of processes, assessment and analysis.

A group of trainees, to include an engineer, environmental scientist and a land use planner will be trained in the process of identifying, designing, installing, maintaining and monitoring

waste minimisation and ecological treatment systems. The trainees will be taken through all the preparatory, planning, design, construction and monitoring stages needed to construct appropriate systems and oversee their operation. The trainees' competence will be judged on the materials they produce. During the course of training, they will be expected to:

- produce a watershed management plan
- draw up a strategy from the plan
- draw up designs for a system (or instruct a draftsman to do so)
- Oversee construction of the system
- Draw up instructions and maintenance requirements for users of the system

The team of trainees should be working with minimal outside leadership by the end of the project.

It should be noted that, the range of skills necessary for this type of work is wide, and training will also focus on planning and management so that the trainees are able to work as a team and draw on outside resources.

At least 6 villagers will be trained in how to use ReefCheck to monitor the condition of the reefs. This training will occur at the beginning of the project with follow up training as needed. The training will be monitored by checking records and spot checks of reef conditions.

There will be a more general awareness raising for villagers which will be monitored through the uptake of local low-tech waste minimisation technologies.

**Table A**

<b>PROJECT COST</b>				
<b>Total Darwin Grant : £77,560</b>				
Annual Darwin Grant				
↳	1999/2000	£24,353		
↳	2000/2001	£39,540		
↳	2001/2002	£13,667		
<b>DARWIN GRANT : EXPENDITURE DETAILS</b>				
<b>Expenditure details</b>	<b>1999/2000</b>	<b>2000/01</b>	<b>2001/02</b>	<b>Total</b>
Rents, rates, heating, lighting, cleaning				
Postage, telephone, stationery				
Travel, subsistence				
Printing				
Conferences, seminars, training				
Capital items: equipment and materials for construction				
Other:				
Salaries				

**Table B**

<b>PROJECT OUTPUTS</b>		
<b>Year</b>	<b>Output ref. no.</b>	<b>Details</b>
<b>1999/2000</b>		
08/99	6A/B	6 community members trained in reef monitoring over 4 weeks
08/99	6A/B	1 student trained in design and construction of waste management systems - periodic training over life of project
08/99	8	2 UK experts spend a total of 14 weeks in Fiji.
08/99	4A/B	At least 8 trainees, including 1 environmental engineer, trained in planning, design and construction of waste management systems - periodic training (minimum 20 days/yr) over life of project (but most in this early period)
10/99	7	One manual for participatory public awareness methodologies published
02/00	7	One water management plan and strategy produced for catchment area
03/00	15A	One press release in Fiji
<b>2000/2001</b>		
06/00	8	1 UK expert spends a total of 4 weeks in Fiji.
09/00	20	Treatment systems in one hotel and one community constructed
03/01	15A	2 press releases are to be released one in Fiji and one in the Region
<b>2001/2002</b>		
05/01	7	One manual covering waste management technology and system identification for different types of site published
06/01	14A	1 workshop carried out to present project [who will be invited, how many will be present and how long will it last?]
04/01	8	2 UK experts spend a total of 9 weeks in Fiji.
06/01	15A/C	3 press releases are to be released in Fiji, the Region and UK

In addition 2 British volunteers will spend a year each in Fiji assisting on the project.

**Table C**

<b>PROJECT IMPLEMENTATION TIMETABLE</b>	
<b>Date</b>	<b>Key milestones</b>
<b>1999/2000</b>	
08/99	Project site selected in collaboration with Fijian partners
08/99	KAP started
09/99	KAP ended
08/99	Training of Environmental engineer and other trainees, including student from USP started
08/99	Reef monitoring programme started
09/99	Indicators for use by local communities developed
08/99	Training of at least 6 community members in reef monitoring takes place - 4 weeks
11/99	Manual outlining participatory approaches to raise awareness about the importance of the marine environment produced
11/99	Water management strategy for project site produced.
01/00	Community awareness programme started. At least 40 community awareness and action workshops will be held during the life of the project.
<b>2000/2001</b>	
05/00	Appropriate ecological technologies and systems to conserve water and treat waste identified
05/00	Plans produced for specific technologies and systems for one hotel and community
05/00	Construction at hotel started
<b>2001/2002</b>	
05/01	Training of Environmental engineer and other trainees ended
07/01	Manual on technology identification produced

**Table D**

<b>KEY STAFF INPUTS</b>			
<b>Name</b>	<b>Grade/Position</b>		
Dr Hugh Govan	Marine Biologist Consultant. Duties are to oversee monitoring of reef, design participatory community awareness component including development of indicators relevant to local community monitoring, advise on community component.		
Jane Shields	Water and waste management consultant. Duties are to design systems appropriate to manage waste from selected hotel and community, design a water management strategy for watershed, train local counterparts in design of ecological waste management systems and maintenance, advise on simple activities to manage waste and water to be included in the community awareness raising component.		
Phoebe Cochrane	Projects Officer (UKFSP). As the key contact between FSP/Fiji and the consultants, duties are to oversee the coordination and monitoring of the project, liaise with Darwin, promote the project and be responsible for the submission of reports.		
FSP/Fiji Project Officer	Project Officer (FSP/Fiji) (to be recruited). Duties are to assist with the identification of the communities, provide translation, assist with the publication and distribution of materials and information, set up and organise trainings and community workshops, supervise day to day management of the project, keep in touch with collaborating organisations.		
<b>STAFF TIME ALLOCATIONS (% of time spent on this work)</b>			
<b>Name</b>	<b>1999/2000</b>	<b>2000/2001</b>	<b>2001/2002</b>
Dr Hugh Govan	7 weeks	1 weeks	6 weeks
Jane Shields	9 weeks	5 weeks	4 weeks
Phoebe Cochrane	17 days	10%	10%
FSP/Fiji Project Officer	100%	100%	100%
FSP/Fiji support, incl. director	10%	10%	10%