



Action Project Reference: 48-02

Organisation: Waidroka Bay Resort

Action Project Proposal:

“Designing an Artificial Reef to Increase Marine Wildlife ”

Who Is Waidroka Bay Resort?

Waidroka Bay Surf & Dive Resort offers amazing Fiji diving & surfing adventures at Beqa Lagoon.

Waidroka Bay Resort was established in 1994 as a Dive-Resort. Waidroka Bay Estate (the plots & community around the resort) was developed by Fiji’s Taveuni Development Company, whilst the original resort owners took the initiative to secure the rights to run an exclusive resort-business within Waidroka Estates. In 2004, the ownership changed and since that day the owners have developed Waidroka Bay Resort into one of the leading Boutique Adventure Surf & Dive Resorts in Fiji.

The resort is famous for its Fijian style hospitality and super-friendly staff, as well as having the Pacific Ocean at your doorstep. Guests at the resort benefit from a family style “Waidroka Atmosphere”, with the resort focusing on providing excellent service and embracing all guests as part of the Waidroka Family throughout their stay.

Mission:

Our mission is to create an adventure-based resort with surfing, diving fishing and water sports, combined with passionate staff, great amenities, super food and a wellness concept of yoga and well-being.

Long Term Aims & Vision:

The resort always tries to create a home-away-from-home atmosphere, where every guest is treated as part of the Waidroka Family during their stay – enabling our guests to have an amazing base for exploration at the resort. The maintenance of these standards is at the forefront of all decisions.

The resort has a commitment to employing the correct staff and aims to continue to do this. All of our staff share a passion for the Ocean & Fiji. We highly respect and appreciate the culture and our Fijian hosts – some of the happiest & friendliest people you will ever meet! It is critical to highlight our local staff members from the villages & community around us – they are a key to the success of Waidroka Bay Resort. It is the general dedication, friendliness and happiness, smiles and spirit which makes Fiji and Waidroka Bay Resort such a special place. We are committed to protecting the local environment, especially marine life, as well as supporting our local community.

Current Challenges:

Our main problem, which all businesses in the tourism industry are facing right now, is the closing of borders and halt of air travel.

Further Information:

The waters directly outside the resort are within a reef. The area has limited depth and current, and, although inhabited by various sea creatures, including sharks, has a rather featureless bottom and lacks natural coral growth.

In an attempt to promote marine life in this location, we would like to create an artificial reef. Our goal is to ensure that fish and other marine animals, looking for a place to live and reproduce, have the best environment available.

There is strong evidence that purpose-built artificial reefs in coastal areas can quickly increase the local fish population, as well as promote coral and algae growth.

Your primary objective would be to develop detailed, well planned, guidelines for the implementation of an artificial reef outside our resort. The development should encourage greater awareness of the importance of artificial reefs and the benefits for the marine environment that they can generate.

The project should include:

- Planning
- Roles and responsibilities
- Factors to consider when choosing a location
- Design, material selection and placement
- Reef Management
- The question of transplantation
- How to include the local community

Key Research & Discussion Areas:

Plan and Deliver ...

- Research marine life in the area - what sorts of habitats are beneficial for these species?
- What organisations have set-up similar projects?
- Can you access project plans from other organisations to see what needs to be included/considered in such a project proposal?
- What materials would be involved? How would you source them?
- What permissions are required to create an artificial reef? Can you obtain funding for this project?
- Does the public need information on the benefits of the artificial reef as well as how to protect it?

Create content ...

- What format works best for your project proposal?
- How can you present your plan clearly so it is easy to implement? Consider how you will break up the information into different logical sections (see suggestions in further info)
- Will additional documents/sections be required for project implementation and

maintenance?

- What information will you require in order to make these materials - e.g. images, stats?

Barriers to success ...

- What are the potential barriers to creating an artificial reef? (e.g. financial, practical, attitudinal)
 - What are the potential solutions?
 - Outline these clearly for Waidroka Bay so they are clear on the possible obstacles they might need to address before starting a project.
- Is the creating period limited by season? How long would the project take?

Evaluate ...

- How will you evaluate the success of the project? What evaluation methods will you use? (e.g. marine surveys, observational studies)
- How will you present your project? - PDF, presentation, video? (combination of all)
- How will you ensure your project is sustainable and easy to implement?

Useful Links:

- [Organisation Profile](#)
- [Website](#)
- [Facebook Page](#)
- [Background Information](#)

Further Questions

Are there any questions you would like to ask Waidroka Bay Resort to assist in completing this project?

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