

Report
Review of the 2004 Management Plan
for
Tikina Komave, Navosa Province
11th-26th May 2010



Strengthening Marine Management Effectiveness & Mapping the Way Forward

Facilitated by:

Institute of Applied Science – USP, Reef Explorer Fiji and Fiji Locally Managed Marine Areas
Network

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1.0 Introduction

The Review of the Management Plan was conducted in Tikina Komave, Navosa Province from the 11th to 26th May 2010. It was facilitated by Institute of Applied Science-USP, Reef Explorer Fiji and Community Reps from Tikina Korolevu-i-wai and was funded by NOAA and Reef Explorer Fiji. The purpose of the review was to evaluate the management plan that was developed by the Tikina in 2004 with the assistance of the Institute of Applied Science and to develop a new plan per village, based on the activities pending or of priority status from the initial plan. Therefore, the 2-day review was undertaken at each individual village, that is, Namatakula, Navola, Komave and Biausevu.

The review was a success and it was encouraging to see that participant numbers were more than expected in each village, especially having a good number being represented by the women and youth groups as compared to the initial management planning workshop in 2004. The review brought upon some useful and attitude-changing discussions through the awareness sessions, in particular the impact of human activities, both on land and sea, on reef health.

Overall, one key threat that was comparable with all the villages was the lack of traditional governance and leadership and this was confirmed by the results of the socio-economic surveys that was conducted by IAS in 2004 and 2009 respectively. As a result, all of the management plans developed in this review has placed the issue of strengthening governance as first priority on top of all other action plans. This was felt by participants as the main issue to overcome in order to successfully progress with their management plans.

During the Komave workshop, there was visit by the Nadroga Provincial Office and FICAC

1.1 Objectives

- To evaluate and review the progress of the 2004 management plan;

- To identify the strengths, weaknesses, opportunities and threats faced in implementing the 2004 plan and incorporate lessons learnt into the new plan;
- To present the findings of research conducted within the waters of Tikina Korolevu-iwai and make comparisons of progress of other neighbouring districts;
- To strengthen awareness about the marine environment and the importance of the links between land and marine ecosystems as well as the roles of individual plants and animals on maintaining good reef health. In addition, to communicate the impacts of human activities on the environment and how to reverse damage;
- To develop individual village management plans and identify stakeholders that can assist in the implementation of the plans.

2.0 How the workshop was conducted?

The 2-day workshop was conducted in each village commencing in Namatakula and concluding in Komave. The programme began with an introduction of IAS and FLMMA's support to communities, emphasising on the roles that each project partner has towards the success of community-based projects. In addition, the facilitators reminded the participants about the role of a management plan and the need to have the cooperation and support of every member of the community to implement action plans.

The first day of the workshop was focused on the review of the current plan that is, identifying the weaknesses and problems that affected the progress of the plan. Participants were taken through various group exercises to help them to identify root causes, which were then presented back to the rest of the workshop groups to allow an overall discussion. Furthermore, to assist in the development of a new plan, the participants were then taken through a series of power point presentations by the facilitators on the outcomes of research conducted within the marine protected areas and associated open areas within the District. The researches specifically focused on the status of their reefs in terms of key food fish, coral and algal abundance and the impact of MPAs in

the preservation of key fish species as compared to the open areas. There was also a study presented to show the socio-economic status of a community as a result of their conservation project which re-iterated the participant's concerns about the lack of governance and leadership as a major threat to the progress of their management plan. Lastly, Reef Explorer Fiji Director, Victor Bonito completed the day with coral reef awareness. He emphasised the need to protect this invaluable ecosystem to maximise benefits socially and economically with specific focus on the benefits from Tourism industry.

The 2nd day of the workshop focused on developing the new management plan, once again, using group exercise tools such as Visioning, Prioritising Problems and Management planning. The programme was completed as participants presented their new management plans for the next three years as well as identifying stakeholders that would be included to assist in the implementation of action plans. To conclude the workshop, the participants were informed about the new Site Liason Officer (Fulori Waqairagata) for their District and a closing speech by Victor who also confirmed his support and assistance for the Tikina's conservation work.

The following report account for the process and results of each village review of the 2004 Tikina Komave Management Plan.

3.0 NAMATAKULA Village (11th-12th May)

Day 1

After formalities and introduction, the facilitators explained the purpose of the review and the importance of management plans as follows:

3.1 What is a Management Plan?

It is a plan of activities that needs to be implemented to ensure the protection, restoration and sustainability of natural resources and environment. The management plan ensures that:

- The Link and communication is maintained with USP and the communities
- Plan of activities is documented and progress reported on
- Enables easy networking and communication channels within the District, Provincial and Govt.
- Details of activities, who is responsible and when it needs to be implemented is clearly sort out.
- Recognises the various stakeholders that are able to assist with the implementation of the plan
- Protection and replenishment of natural resources within Komave Tikina

3.2 Participant's Review of 2004 Management Plan

The participants were then asked to discuss in groups the following questions:

- What activities have already been implemented?
- What activities have yet to be implemented?
- What is the reason why these activities have not been implemented?

The results of this discussion indicated poor management and leadership as a factor to the non-progress of the plan. Despite the establishment of the protected area, people continued to disrespect the decision of the vanua by poaching within it. The participants also attributed the lack of support for the plan as they did not have resources or options to implement activities and enforce management strategies.

3.3 Powerpoint Presentations

After Lunch, the remaining session for the day was focused on awareness. There was a series of PowerPoint presentations by IAS on the results of Biological and Socio-economic surveys conducted within the district as well as a Masters Thesis Presentation by a USP Student. Finally Victor Bonito, Director of Reef Explorer Fiji, concluded the session with

some coral reef awareness and education presentation. Topics of presentation and presenters are as follows:

1. Socio-economic Survey 2007 and 2009, Apisai Bogiva and Sakiusa Fong
2. Community Monitoring data, Tabu and Tara areas using indicator species-Apisai Bogiva
3. Coral Cay Conservation Re-survey of Tikina Komave, Benthic, Fish and Invertebrates- Fulori Waqairagata and Ron Simpson
4. Masters Thesis Presentation-Cody Clements
5. Coral Reef Awareness and Education-Victor Bon ito

- End of Day 1 -

Day 2

The participants began with a recap of Day 1 activities and facilitators explained the programme for the day.

3.4 SWOT Analysis

To identify the source of the lack of progress on the 2004 management plan, the participants were asked to analyse the strengths, weaknesses, opportunities and threats faced since the plan was established. The following shows a table of the results of this discussion.

Strengths	Weaknesses	Opportunities	Threats
The traditional right to utilise resources within the fishingground	<ul style="list-style-type: none"> • Take advantage of these rights and therefore, overharvest occurs • No respect for traditional laws 	<ul style="list-style-type: none"> • Can identify stakeholders that are able to assist with development • The potential for tourists to 	Poaching

		visit the area	
Strong traditional bonds/ relationship within clans.	<ul style="list-style-type: none"> • Not communicated to children • Communication is poor between clans • Not taught or communicated at home 	Presence of the church bodies	Improper use of traditional laws
<ul style="list-style-type: none"> • Rubbish bags are present • Workshops held for waste management 	Improper disposal of rubbish, No proper dumping area	<ul style="list-style-type: none"> • Rubbish truck • Hotel assist with rubbish pick up 	<ul style="list-style-type: none"> • Sickness/Illness • Village compound is unkept and dirty • Not following rules
The authority of the nurse to be able to take a sick person to the hospital	Nurse is not often informed about illnesses	Health authorities can visit the village	Group that is responsible for visits not often available due to commitments elsewhere
Abundant surgeonfishes and sea urchins	Lack of knowledge	<ul style="list-style-type: none"> • Fish Wardens • Fisheries Dept 	<ul style="list-style-type: none"> • Plant Poison (<i>Duva</i>) • Net Fishing
The traditional and church roles and groups still exist	<ul style="list-style-type: none"> • Lack of spiritual wellbeing • Lack of communication and cooperation 	<ul style="list-style-type: none"> • Leadership workshop • Church playing a role in leadership 	<ul style="list-style-type: none"> • Tatawasewase • Not following rules and regulations • Differences

	between TT, TM, TY and church groups		<ul style="list-style-type: none"> • Diminishing natural resources
	<ul style="list-style-type: none"> • No village meeting 		

***NB:** This exercise was not fully understood and it was difficult for the participants to grasp the concept of SWOT. As a result this exercise was removed for the remaining villages and program was modified accordingly.*

3.5 Root Cause Analysis

In addition to the problems stated in the current plan, participants were asked to identify any other issues they felt needed to be included in their new plan. Hence, additional issues emerged, as stated below:

1. Not following the laws of the village, vanua and government;
2. Weak communication and cooperation with the TT, TM, TY
3. Lack of time management
4. Lack of knowledge about environment and resources
5. Not informing the village nurse of illnesses
6. No Provincial/ District Meeting

Combining the current issues with the new, these problems were then prioritised by the participants according to order of importance, as stated below:

1. Discussion or meeting to organise a Provincial/ District meeting
2. Workshop for communities to understand their link with their environment and the importance of resource conservation
3. Lack of key food invertebrates
4. Piggeries
5. Solid Waste & Liquid Waste
6. Soil and Beach Erosion

3.6 Vision Exercise

To motivate and encourage communities to focus on their plan and look forward to a brighter future, the participants were asked to envision what they wanted to expect in many years to come and for the next generation, as a result of their conservation efforts today. The participants were split into groups and their task was to discuss a “Vision” for their village. The result of the group exercise is as follows:

Group 1

1. Let us hold hands and work together now to create a better future for the next generation
2. Building better relationships and practices in the upbringing of our next generation for a better future for Namatakula
3. May our children love, care, respect one another and work together to build a prosperous future.
4. May our children love, care, respect one another and work together to build a prosperous future for Naganivauvau.

Group 2

- Building a better community to have respect for one another, to care for one another, to be able to work together harmoniously and have spiritual belief and faith;
- To be truthful in everything;
- To respect the Lord and to love and care for his/her relations and the environment surrounding him/her;
 1. To love, care and be truthful to one another;
 2. Namatakula hear the final word, fear the Lord and respect and follow his commands as He has set out for every human.

Group 3

1. Togetherness, caring for one another, listening and respecting one another's opinions, working together, spiritual wellbeing, faith and good health;
2. To clearly understand your relations and respect for one another;
3. Protect and conserve and establish an Environmental Committee;

4. Clearly set out rules and laws , Establish a committee for village development so that are responsible for financial management of village projects and development;
5. Namatakula or Vucilevu, let us look towards the future, let us hold hands and work together now to create a prosperous future for our future generation.

3.7 Develop New Management Plan

The final activity was to formulate a new management plan based on all the discussions and group exercises that have occurred through out the two days. This was done as a group exercise, whereby each group was given two issues each and asked to develop an action plan which included solutions, stakeholder assistance and timelines of when activities were to be carried out. The tables below show the results of the exercise:

Group 1:

Problems/Issue	Root cause	Solution	What is to be done	Who is responsible	Assistance needed by		When to be done
					Village	Non-village	
No Provincial or District Meeting	Lack of communication by those responsible for organising	The environmental committee needs to approach the Turaga ni Yavusa to call a meeting	Environment committee needs to initiate the process of calling a Bose Vanua	Yavusa Leader	<ul style="list-style-type: none"> • Environment Committee • Village headman 	<ul style="list-style-type: none"> • N.N.P.O • FAB 	21 st May
Lack of knowledge about the human link with the environment and spiritual link	<ul style="list-style-type: none"> • Not present during workshops • No support mechanism in place 	Need to strengthen the role of Turaga Mataqali to ensure all reps from all clans are present during workshops	Needs to be emphasised in Bose Vanua	Village Headman	Village members	N.N.P.O	

Group 2:

Problems/Issue	Root cause	Solution	What is to be done	Who is responsible	Assistance needed by		When to be done
					Village	Non-village	
Lack of marine resources	<ul style="list-style-type: none"> • Selfish • Financial income 	<ul style="list-style-type: none"> • Enforce MPA establishment • Patrol MPAs 	<ul style="list-style-type: none"> • To bless the MPA • Request additional workshops 	<ul style="list-style-type: none"> • Fish warden • Village members 	Village headmen needs to be take lead	<ul style="list-style-type: none"> • Request the Fisheries to legally activate the role of FW • Request IAS/USP for more workshops 	During the next Village Meeting 1-3yrs
Pollution from Piggeries	<ul style="list-style-type: none"> • Health issues • Affects the environ 	<ul style="list-style-type: none"> • To construct a proper pipe to ensure waste 	To inform others about the effects of piggeries on river	<ul style="list-style-type: none"> • Piggery owners • Environment Committee 	<ul style="list-style-type: none"> • Households • Clan groups • Social 	<ul style="list-style-type: none"> • Health Authority • MPI 	1-3yrs

	<ul style="list-style-type: none"> Changes the condition of river ecosystems 	<ul style="list-style-type: none"> flows into a proper hole dug and filled with rocks Use of sawdust 	systems and environment		groups		
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Group 3:

Problems/Issue	Root cause	Solution	What is to be done	Who is responsible	Assistance needed by		When to be done
					Village	Non-village	
Waste - <ul style="list-style-type: none"> Solid Liquid 	<ul style="list-style-type: none"> Weak Committee Lack of personal responsibility Ignorant about the impacts 	<ul style="list-style-type: none"> Need to be discussed in the Village meeting Waste management workshop needed 	<ul style="list-style-type: none"> Need to be guided and advised Need to bring up issue in the Village meeting and inform those who can run the 	Environment Committee Village Committee	<ul style="list-style-type: none"> Village Members 	<ul style="list-style-type: none"> Health Authorities and relevant dept/organisations 	<ul style="list-style-type: none"> Follow plan Time decided by those running workshop

			workshops				
Soil and Beach Erosion	<ul style="list-style-type: none"> Deforestation, Soil erosion, damage coral reefs 	Dont cut forest, plant corals	Notify during village meeting, Seek advice	Environment committee	Village Members FLMMA		Village meeting every monday

- End of Day 2 -

4.0 NAVOLA village (13th -14th May)

DAY 1

The programme for Navola, Biausevu and Komave were similar for Komave except for the SWOT analysis exercise, which was removed as it was not well understood by the participants.

4.1 Review of 2004 Management Plan

The results of the group exercises are as follows:

Group 1

Problem/Issue	What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
Lack of fish Poaching	MPA established The village headman has already spoken to those involved in poaching activities	Lack of knowledge There are no resources available to assist in the patrolling and protecting MPAs (eg boats, torches etc)	Laziness, no committee formed Irresponsibility and ignorance
Use of plant poison	Ban use of this type of fishing method	Often not known on it uses, poaching still exists	Disrespecting the need to protect fishing grounds
Night diving	The village headman has already spoken to the those involved with night diving	Irresponsible and ignorant	No resources to help with enforcement

Group 2

Problem/Issue	What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
Damage houses for octopus	Ban the use of steel bars and rods on the reef	Not following advice	<ul style="list-style-type: none"> • No enforcement • Committee is not taking responsibility
Improper rubbish disposal	Ban the disposal of rubbish on beaches	Sa dauvakaroti na bose vakoro	<ul style="list-style-type: none"> • Not listening • Laziness
Waste water from washing	Planting varieties of plants along waste water ways for eg. Dalo and bele	Not following advice	<ul style="list-style-type: none"> • Not following advice • Laziness
Waste water from hotels	No	√	√

Group 3

Problem/Issue	What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
Pollution from Piggeries	Nothing has been done	-	<ul style="list-style-type: none"> • Ignorant and lazy especially the committee responsible for social well being
Overgrowth of Brown Algae (<i>Sargassum</i> sp.)	Nothing has been done	-	

Soil and Beach Erosion	Plant coconut trees near beaches	-	
Mangrove planting			

4.2 Powerpoint Presentation

(Similar to Namatakula programme)

- End of Day 1 -

DAY 2

The second day of the workshop began with Recap from day 1 and participants shared their views of what they learnt in particular the presentations on coral reef awareness. Some of the women participants were emotional as they explained about their ignorance of the uses of certain marine animals and the impact of their fishing activities on homes of octopus and fishes.

4.3 Root Cause Analysis

From the list of problems stated in the 2004 management plan, the participants were asked to prioritise each issue according to order of great importance or concern. The result of the discussion is as follows:

Results of Prioritising Issues

1. To many decision makers
2. Lack of support for the youths
3. Destructive fishing practices
4. Improper disposal of rubbish
5. Soil and Beach erosion
6. Networking within village
7. Poaching

8. Coral decline
9. Overgrowth of algae

4.4 Vision Exercise

Group 1- Childrens Group

“ To the communities of Navola, let us respect one another and work together to build a prosperous and rich future. Let us protect our environment and resources and replenish those resources that have been depleted.”

Group 2-Womens Group

“Let us hold hands and work together and respect one another for the benefit of Navola tomorrow.”

Group 3- Mens Group

“Establish a committee to manage the protection of our environment and resources for Navola”.

As a result of their visioning exercise, the participants agreed to have the following statement as the vision for Navola village:

Vision for Navola

“Let us hold hands and work together to protect and conserve our resources now for the benefit of our future generation”.

4.5 Developing a New Management Plan

Group 1- Children

Problems/Issues	Solutions	What is to be done?	Who is responsible?		When to implement activity?
			Village	Non-village	
Improper rubbish disposal	<p>No improper disposal rubbish.</p> <p>Separate different types of rubbish- plastic, bottles, tin cans, vegetable peelings</p>	<ul style="list-style-type: none"> • Inform all households • Construct compost, Establish recycling bags • Enforce the importance of healthy living • Village visits every month 	<p>Social Committee</p> <p>Village headman</p> <p>Village nurse</p>	Health Authorities	17 /5/ 2010
Soil and Beach Erosion	<ul style="list-style-type: none"> • Planting mangroves and coconut trees coastlines • Plant corals 	<ul style="list-style-type: none"> • Inform village meeting • Seek advice from Mangrove and Coconut experts • Choose a location to plant mangrove 	<p>Village members</p> <p>Village headman</p>	<p>Fisheries Dpt</p> <p>Police Dpt</p>	Next month

		and coconut trees			
		<ul style="list-style-type: none"> • Plant mangroves and coconut 			
Overgrowth of Brown algae	<p>Ban use of manure (NPK)</p> <p>To create awareness to the village on proper construction of toilets, piggeries and household waste to avoid waste water from entering water ways.</p>	<ul style="list-style-type: none"> • Use compost as manure • Plant dalo near waste water ways • Dig holes for waste water runoff • Relocate piggeries away from rivers and streams 	<ul style="list-style-type: none"> • Village members • Social Committee • Village headman 	FLMMA, Fisheries Dpt	17/05/ 2010

Group 2- Womens

Problems/Issues	Solutions	What is to be done?	Who is responsible?		When to implement activity?
			Village	Non-village	

Destructive fishing practices	To discuss during the village meeting	<ul style="list-style-type: none"> Environment Committee need to monitor these activities to prevent further damages on resources and fishing grounds Need to make everyone aware (Households, School) 	Village members Fish Wardens Village headman	FAB Fisheries Department IAS/ USP	The next village meeting 1 year of implementation
Destroying octopus homes (rocks)	Ban the use of steel bars and rods				
Net fishing	Ban the sale of small nets in shops				
Plant poison (Duva)	Ban the use of Duva (village and government)				
Lack of Networking and communication within village a) Households b) Subclan-Clan c) District and Province	<ul style="list-style-type: none"> We need to cooperate and respect one another Work together Need to know and understand our traditional roles Household, social groups and church 	<ul style="list-style-type: none"> Meet physically and spiritually To strengthen workshops 	<ul style="list-style-type: none"> Village headman Village committee Church Elder Vanua Members 	<ul style="list-style-type: none"> FAB Ministry of education Church Ministry 	<ul style="list-style-type: none"> The next Village meeting Within six months
Coral Decline	<ul style="list-style-type: none"> Dispose of waste water from 	Plant corals	Provincial/ District and	Forestry	The next village

	household and piggeries properly	Plant mangroves Plant coconuts along coastlines. Reforest on hillslopes (plant along rivers and streams)	Village communities Social Committee	Dept. OISCA	meeting 5 years to 10 years
	<ul style="list-style-type: none"> Prevent cutting down of trees Burning 				

Group 3-Mens

Problems/Issues	Solutions	What is to be done?	Who is responsible?		When to implement activity?
			Village	Non-village	
To many decision makers	Need to discuss with village headman and clan elders.	Respect only the decision of the clan leader	Village committee	<ul style="list-style-type: none"> Provincial Administration (Roko) Law Office 	24 th May 2010
Lack of support for youths	<ul style="list-style-type: none"> Need more support from home School/ Church Need for a workshop 	<ul style="list-style-type: none"> To re-inforce the importance of youths learning the traditional protocols and practices Need for spiritual 	Clan Elder/Leader School Teachers Household heads	<ul style="list-style-type: none"> FLMMA/ USP Church 	18 th May 2010

		sessions at each households			
Poaching	Select members for a Committee for environment	Use of bamboo raft Need to have a group to inform Provincial Meeting	Environment Committee	<ul style="list-style-type: none"> • FLMMA/USP • Law Office 	At the soonest (June)

-End of Day 2-

5.0 BIAUSEVU village (19th-20th May 2010)

DAY 1

5.1 Review of the 2004 Management Plan

Below are the results of the Group exercise:

Group 1

Problem/Issue	What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
Night Diving	Patrolling fishing ground Committee formed MPA established(5 yrs)	Patrolling is not as effective as it needs to be	- Fish wardens are weak in their role -Lack of resources to patrol
Damaging homes of Octopus	None	Community does not take responsibility for their damage.	Fishing ground is too far and therefore protection is not enforced - Police, Fish wardens and community members are ignorant and irresponsible
Use of small mesh nets	- Govt. enforced a ban on its use - Ban within the Tribe	Communities are not aware of Govt regulations in regards to the use of nets	- No awareness by Fisheries Dept.

Group 2

Problem/Issue	What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
Decline in food fish and invertebrates	<ul style="list-style-type: none"> -MPA establishment (MPA) -Restock/replant resources such as giant clams, corals mangroves 	<ul style="list-style-type: none"> -Fishing ground not patrolled - Lack of support from the people - Lack of awareness at the Village meeting and to each household 	<ul style="list-style-type: none"> - Lack of resources to patrol (eg boats) - Lack of support from Police Dpt at Korolevu
Poaching	The District council and village council has already been informed	No support or respect for fishing ground from neighbouring villages and settlements	<ul style="list-style-type: none"> - Disrespecting village laws - Lack of fishing ground
Use of plant poison	The tribe has banned the use of this method of fishing	Lack of respect on the ban of the method	Lack of enforcement of govt regulations on fishing ground usage.

Group 3

Problem/Issue	What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
Improper Rubbish Disposal	Already been discussed in the	Need to strengthen monitoring of the	-Laziness (too much consumption

on the beachside, riverside and village	village meeting - Established recycle bags - Village Visits	issue	of grog (yaqona), send children instead to dispose rubbish -No rubbish truck (recycle)
Waste water from village (household waste, toilet waste)	Already discussed in the village meeting and a few activities implemented	To properly construct outlets (dig hole for rubbish, fill with rocks)	Laziness
Waste water from the Hotel	Already discussed this concern with the hotel together with the Health Inspector, Director for Environment and Nadroga Provincial Administration and District Council	Nothing has been solved from our discussion with hotel.	Disrespecting and lack of support

Group 4

Problem/Issue	What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
Cutting down of forest	A workshop was held to create an awareness on the importance of trees and the impacts of	No proper decision was made by the village members	No committee formed to be responsible for managing cutting activities

	deforestation		
Soil and Beach Erosion	<ul style="list-style-type: none"> - Stopped the cutting of trees near riverbanks and coastal areas - Reforestation activities 	Did not foresee impact of cutting down trees	No representative chosen to be responsible for managing the cutting down of trees

Group 5

Problem/Issue	What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
Coral Harvest	Ban on harvest of coral		
Piggeries Waste	Workshop already conducted	<ul style="list-style-type: none"> - Not practicing what has been learnt from workshop - Not relocating piggeries 	<ul style="list-style-type: none"> - Only one rep was present at the workshop - No solutions to the problem - Lack of resources
Overgrowth of Brown Algae	Awareness regularly conducted to emphasise to the communities of proper rubbish disposal	No proper outlet from Piggeries	No solutions

-End of Day 1-

DAY 2

5.2 Root Cause Analysis

The results of prioritising the key issues from the 2004 management plan are as follows:

1. No Bose Vanua
2. No one monitors the plan
3. Poor decision making on management of resources
4. Go against management rules in place for the protection of fisheries and forest resources
5. Poaching in Tabu areas
6. Uncontrolled cutting of trees
7. Waste water from piggeries and household
8. Waste water from hotel
9. Improper rubbish disposal(plastic, cans, bottles etc)

5.3 Vision Exercise

Group 1

“For a more prosperous Biausevu”

1. Village Members
 - Care for one another
 - Working together
 - Togetherness
 - Happy
2. Behavioural practices and Religion
 - Be caring
 - Be thoughtful
 - Be respectful
 - Be professional and truthful in everything you do
 - Be spiritual and practice what your preach
3. Environment and Resources
 - To care for resources
 - To protect and conserve and not waste or overharvest

Group 2

“We would like the future community of Biausevu to love and care for one another, have respect for one another and work together, to have strong spiritual beliefs, to be rich and prosperous in resources and open up opportunities to village developments.”

Group 3

“Biausevu, to be strong in spiritual beliefs, traditional practices and behaviour and development in natural resources management.

“Biausevu to protect and respect religion and the Vanua”

Group 4

“ The future of Biausevu is dependent on our responsible actions and the decisions we make today”

“To protect, implement actions and save our resources”

Group 5

Village members –

- To care for another
- Working together
- Listen to one another
- Respect one another
- Forming good relationships
- Be truthful to one another
- Have faith in one another

Behaviour/ Spiritual Practices –

Behaviour

- ❖ Good
- ❖ Humbe
- ❖ Caring
- ❖ Tolerate
- ❖ Care for others

Religion

- ❖ True (spiritually)
- ❖ Clean
- ❖ Hard working
- ❖ Professional

Natural Resources

- ✓ Share equally
- ✓ Protect, no wastage

✓ Do not be selective

✓ Do not be selfish

Development

- Spiritual development

- Social development
- Education

- Business
- Land Development

= A NEW BIAUSEVU

5.4 Developing a New Management Plan

Group 1

Problems/Issues	Solutions	What is to be done?	Who is responsible?		When to implement activity?
			Village	Non-village	
Lack of Vanua Meeting	The Head of the Vanua needs to call a meeting	`	Village Headman	Peace Corp Church	Last week of every month (on Tuesday)
Management plan is not implemented nor monitored	Avoid excessive kava drinking	Need for everyones cooperation and support	-Peace Corp -Youth -Members of Village -Church	-UNDP (financial support) -Provincial Office -USP	Tuesday of every week

	Need to explain the management plan clearly to the village members	More workshops needed Must plan well the process of implementation especially those responsible for tasks	Village committee	Adviser (Victor Bonito)	Monday (9:00 am) ni vula ko Me.
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Group 2

Problems/Issues	Solutions	What is to be done?	Who is responsible?		When to implement activity?
			Village	Non-village	
Weak Management of Natural Resources	More discussions needed (Meeting)	Select an Environmental committee to be responsible for management	-Village headman - Committee -Members of the Vanua	- Fisheries - Forestry - Provincial Meeting - USP (FLMMA)	Village meeting or the next Vanua Meeting

Illegal harvest within qoliqoli and forest	Learn the laws (rules and regulations) to understand and follow	-Select a committee as well as fish wardens and forest wardens	- Committee - Fish Wardens - Members of the Vanua	- Fisheries - Forestry - Provincial - USP (FLMMA)	Village meeting or the next Vanua Meeting
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Group 3

Problems/Issues	Solutions	What is to be done?	Who is responsible?		When to implement activity?
			Village	Non-village	
Disrespecting Tabu	- Vanua need to meet (Vusu/Davutukia) - Training for Fish wardens -Needs a proper a proper information or explanation	Need to discuss, document and explained to the members of the vanua and Province	-Village members -Fish Wardens - Village Headman - Head of the Vanua	-Hotel, Qalito (Save) - Fish Warden - Police (Korolevu) - FAB -Fisheries - IAS / USP	After meeting/discussion on this issue (The faster the better) 24 : 05 : 10

	avenue about Tabu -Need to patrol Tabu				Village meeting
Uncontrolled cutting of trees	Some one needs to be appointed to manage and monitor the cutting activities	Need to explain to all landowners and users	-Village members -Fish Wardens - Village headman - Head of the Vanua	- FAB -Forestry - IAS / USP	01 : 06 : 10 Village Meeting

Group 4

Problems/Issues	Solutions	What is to be done?	Who is responsible?		When to implement activity?
			Village	Non-village	
Waste water from household	Need to collect and build a proper	-Dig a proper drainage hole and	Village committe and	IAS /USP	Next village meeting and

and piggeries	drainage from piggeries. (for Composting)	plant crops/vegetables around the area - Build a compost for piggery waste	village members	NGOs FAB	following
Waste water from the Hotel	Find a possible solution to solve this issue	Consult with hotels and Dept of Environment	Village Headman	-Health Authorities -Dept of Environment - Nadroga/ Navosa Provincial Administration -Victor/Kini	At the fastest time possible
Improper disposal of rubbish (Plastics, Bottles etc.)	To strengthen and enforce rules regarding disposal of rubbish	-To adhere to rules in regards to healthy living and the use of recycling bags	Village meeting and committee Village members	Lorry(Recycle materials)	Village meeting and following

-End of Day 2-

6.0 KOMAVE village (25th - 26th May)

Day 1

The workshop programme was delayed till after midday due to an impromptu visit from the Nadroga/Navosa Provincial office and FICAC. The purpose of their visit was to discuss with the communities of Komave about the impact of the dredging work being carried out by the Warwick Resort. Unfortunately, according to the visitors, no permission was granted for the development and therefore, communities needed to be aware of the processes of requesting for such activities in order to ensure the protection of their natural resources.

Workshop began proper at 12:30pm. TuPio introduced the facilitators and explained the purpose of the workshop. He emphasised the importance of management plans and challenged the communities to work together for the benefit of the entire community. He gave the example of the offshore development by Warwick and reiterated the importance of management plans and being empowered to assist with proper and wise decision making of the communities natural resources.

6.1 Review of Management Plan Group Exercise:

Komave issues:

1. Lack of fish and invertebrates that is harvested from the fishing ground
2. Poaching
3. Night Diving
4. Smashing octopus rocks
5. Small mesh nets
6. Improper disposal of rubbish on the beach
7. Wastewater from the village and each household
8. Soap water and waste water from the Hotel
9. Waste water from Piggeries
10. Overgrowth of Algae (Sargassum) on the reef
11. Soil and Beach erosion

Group Exercise:

Group 1

1. Lack of fish and invertebrates that is harvested from the fishing ground
2. Poaching
3. Night Diving

What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
<ul style="list-style-type: none"> • Established MPA • Monitored those illegally fishing within MPA as well as those night diving • Mangrove and coral planting 	<ul style="list-style-type: none"> • Community members not active • No support and cooperation • Doing their own thing 	<ul style="list-style-type: none"> • Laziness • Lack of resources • No support and cooperation amongst the village members • Irresponsible fish wardens
<ul style="list-style-type: none"> • Aquaculture • Planting mangroves • Frequent Village meetings • Those poaching are not approached and told about their wrongful activity 	<ul style="list-style-type: none"> • Lazy and irresponsible • No Qoliqoli committee 	<ul style="list-style-type: none"> • Harvesting for money • Lack of resources to enforce law/rules • No support from the police or Mataqali members
Have already been notified	They do not respect the vanua law	<ul style="list-style-type: none"> • Household problem • Lack of jobs • Lack of food

Group 2

1. Smashing octopus rocks
2. Small mesh nets
3. Improper disposal of rubbish on the beach
4. Wastewater from the village and each household

What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
<ul style="list-style-type: none"> • Workshop to protect octopus and the damages from using steel rods 	<ul style="list-style-type: none"> • Village headman does not inform the village 	<ul style="list-style-type: none"> • Village members are unaware of plan for workshop
<ul style="list-style-type: none"> • Established MPA 	<ul style="list-style-type: none"> • To monitor and patrol fishing ground 	<ul style="list-style-type: none"> • Fish wardens are inactive in the role • Village members are not told about management plans established • Lack of attendance during village meetings
<ul style="list-style-type: none"> • Workshop • Proper disposal of rubbish • Composting pile 	<ul style="list-style-type: none"> • Monitoring rubbish disposal on beaches • Social committee does not enforce the importance of proper waste disposal 	<ul style="list-style-type: none"> • Not informed nor enforced on the protection of beaches and damages from improper disposal
<ul style="list-style-type: none"> • Workshop • Stop cutting of trees • Plant trees along coastlines (eg 	<ul style="list-style-type: none"> • Plant more trees along the shoreline • Create awareness to those who irresponsibly 	<ul style="list-style-type: none"> • Village headman inactive to monitor this activity • What is learnt in the workshop is not

mangroves)	cut trees	practiced
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Group 3

1. Soap water and waste water from the Hotel
2. Waste water from Piggeries
3. Overgrowth of Algae (Sargassum) on the reef
4. Soil and Beach erosion

What has already been done?	Why has it not been implemented?	What is the cause of non-implementation?
<ul style="list-style-type: none"> • Dug hole and filled with stone 		
<ul style="list-style-type: none"> • Sawdust added. Some have yet to be added. 	Put more sawdust	Pigs become sick
<ul style="list-style-type: none"> • Hotel already visited and notified about wastewater 	No follow up by communities to hotel	lazyness
<ul style="list-style-type: none"> • Stopped cutting of trees 	Health committees are inactive	No help or support from village members

6.2 Powerpoint Presentation

(Similar to the previous workshops)

-End of Day 1-

DAY 2

Prior to the continuation of the programme, Bola Tubuna of Namada village gave a recap of Day 1 activities and provided encouragement and motivation, challenging the community of Komave village to work towards protecting their resources for the benefit of the next generation.

6.3 Identification of Problems in Komave

1. Fishing in MPA, disrespecting MPA
2. Weak leadership
3. Weak laws, people disobey village or vanua laws
4. Weak role of fish wardens, in active
5. Improper disposal of rubbish (Solid)
6. Change of weather and conditions
7. Use of chemicals in rivers
8. Lack of planting of coastlines- beach erosion
9. Overgrowth of algae

Prioritising Problems

1. Disrespect for Tabu Areas (MPA)
2. Use of small mesh nets
3. No Vanua Meeting
4. Lack of Qoliqoli committee
5. Night Diving
6. Improper rubbish disposal
7. Breaking homes of Octopus
8. Sea level rise

9. Change in weather conditions
10. Lack of replanting along coastlines and rivers
11. Use of chemicals in rivers and reefs
12. Waste water from household and piggeries
13. Waste water from Hotels
14. Overgrowth of Algae

6.4 Root Cause Analysis

Group Exercise:

Group 1:

Disrespecting Tabu Areas(MPA)

1. Not obeying rules
2. Needs to solve
3. Lack of communication
4. No punishment for those illegally fishing within MPA
5. Lack of support from those who enforce the law..eg Police

Use of small mesh nets

1. Non-attendance during workshops
2. Disrespecting rules about Qoliqoli
3. Inconsiderate and thinking only about self

No Vanua Meeting

1. Members and heads of Vanua are inactive
2. Lack of support and inability to meet
3. Elders of the Vanua
4. Lack of awareness

Group 2

Lack of Ooliqoli Committee

- Non-selection of committee due to weak leadership by Members of the Yavusa, Members of the Mataqali, Village headman..lack of communication and support

Night Diving

- Financial influence
- Fishes are easily caught using this method
- Depletes resources
- Use of gas and speargun

Improper Disposal of Rubbish

- Not following village rules
- Not respecting village rules
- Laziness
- Lack of leadership and communication within households

Breaking homes of Octopus

- Damage to Octopus refuge
- Depletes numbers of Octopus
- Create awareness to women to refrain from these kinds of practices

Group 3

Sea Level Rise

1. Large and high waves
2. Coral Harvesting

3. Soil Erosion

Change in Weather conditions/Climate

It is according to God's plan

1. Machines
2. Changing times –we do not respect it and therefore creates conflict within Vanua
3. Changes in village today

No re-planting of Trees

1. Laziness
 2. Lack of support
 3. Lack of cooperation
- Thinking of only one' self benefit
 - The daily life of a household
 - Lack of respect for village rules
 - Weak and inactive roles of fish wardens

We do not respect God's plan and our purpose

Group 4

Waste water (Soap, Septic Tank, Piggeries)

- Unaware of the impact of wastewater on reefs and rivers
- No workshops in the village to understand the impacts of waste water disposal

Waste water from Hotels

- Hotel only thinks about its business and does not consider the impacts of its waste water on the resources of nearby communities

Overgrowth of Algae

- Overfishing of fishes and invertebrates that feed on algae

- Seepage of wastewater into rivers and reefs (Soap, Septic Tank, Piggeries)

6.5 Visioning Exercise

Group 1

KOMAVE -Map of Fiji and the World

Is the map of Fiji and the World for our future, to protect and conserve our environment and natural resources, to strengthen traditional behaviour and practices to support spiritual beliefs and our respect for one another.

Group 2

To prosper in religion and natural resources for the benefit of the future generation of Komave

Group 3

Let us work together to protect and conserve our resources for the benefit of our future generation of Komave.

Group 4

To protect our land, our beliefs and our resources for the benefit of our future generation.

**Group 4's vision was selected by the participants to be the Vision for Komave village*

6.6 Developing a New Management Plan

Group Exercise

Group 1

Problems/Issues	Solutions	What is to be done?	Who is responsible?	When to implement activity?		Problems/Issues
				Village	Non-village	
Improper Rubbish Disposal	<ul style="list-style-type: none"> No proper hole dug Sending children to dispose off rubbish Rubbish Truck does not come often 	<ul style="list-style-type: none"> Need to dig a proper hole Need for a rubbish truck Waste management plan to be developed 	<ul style="list-style-type: none"> Notify households, clan and village Seek assistance from companies and hotels to remove rubbish from village (dump trucks) Avoid yaqona consumption Reduce rubbish Learn 3R 	<ul style="list-style-type: none"> Social and health committee Households, individuals Village Headman Village members and Vanua 	<ul style="list-style-type: none"> Environment Health Dept. Fisheries Dept. NGO, FLMMA, USP (IAS) FAB 	The next village meeting (31/05/2010-6months-1yr)

Use of Duva	Kills fish, corals, shellfish and degrades coral reefs and fishing grounds	To educate the village members	Monitor and patrol	Village committee to decide	<ul style="list-style-type: none"> Fish Wardens Turaga ni Vanua 	Village meeting (31/05/10)
Overgrowth of Algae	Degrades the coral reefs Improper Rubbish Disposal	Workshop to prevent overgrowth of algae	Proper disposal of wastewater (Soap)	Educate village members	Seek assistance from experts	Social and Health Committee will decide on next steps

Group 2

Problems/Issues	Solutions	What is to be done?	Who is responsible?	When to implement activity?		Problems/Issues
				Village	Non-village	
No Vanua Meeting	<ul style="list-style-type: none"> Heads of Vanua are inactive Lack of meeting with Elders of Vanua Lack of support 	<ul style="list-style-type: none"> Chief - Tui Vusu, needs to call a meeting and include the members of the Yavusa 	Need to discuss the problems and solutions occurring within the Vanua including the state of natural resources, behaviour of people, church	<ul style="list-style-type: none"> Village Headman District Rep Traditional Chief of the Vanua (Tui) 	<ul style="list-style-type: none"> FAB (Nadroga/ Navosa Provincial Rep (Roko) NLC Indigenous Affairs Dept of Environment/ 	July (first week)

			and traditional roles		Lands/Fisheries	
Disrespecting Tabu Area	<ul style="list-style-type: none"> • Disrespecting village laws • Correct ones mistake and behaviour • Lack of respect for one another • Lack of punishment for those disrespecting tabu • Lack of support from those enforcing the law 	<ul style="list-style-type: none"> • Lease fishing ground • Allow the fish wardens to work with Police section at Korolevu 	<ul style="list-style-type: none"> • Seek assistance from companies and hotels to help with the protection of fishing grounds and MPA 	<ul style="list-style-type: none"> • Qoliqoli committee • Support from members of the Vanua (Yavusa Vusu) 	<ul style="list-style-type: none"> • USP • FAB • Fisheries Dept. 	Second week of June
Lack of Qoliqoli committee	No selection	Need to select a committee	Select members from navau, naqali, naqau, nakuro as well as those in Komave village	<ul style="list-style-type: none"> • Fish Wardens • Qoliqoli committee • Village 	<ul style="list-style-type: none"> • Law enforcers • FAB 	30 June 2010

				Headman <ul style="list-style-type: none"> Village members 		
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Group 3

Problems/Issues	Solutions	What is to be done?	Who is responsible?	When to implement activity?		Problems/Issues
				Village	Non-village	
No re-planting along coastlines or forest	<ul style="list-style-type: none"> Laziness Large waves No advice on the impacts of cutting and non-planting 	<ul style="list-style-type: none"> Need to replant back on coastlines ie. Dilo etc.. Need for reforestation activities in the forests 	<ul style="list-style-type: none"> Consult with Dept of Forestry Re-plant available tree seedlings 	<ul style="list-style-type: none"> Village headman Members of the Mataqali Members of the Vanua (Village) 	<ul style="list-style-type: none"> Forestry Dept Environment Dept Hotels 	Next village meeting
Change in Weather conditions/ Climate	<ul style="list-style-type: none"> Caused by improper rubbish disposal (Pollution, poisonous gas) Other developed 	<ul style="list-style-type: none"> Try to reduce greenhouse gases Follow the ways of the elders in the 	<ul style="list-style-type: none"> Seek advice from Ministry of Environment 	<ul style="list-style-type: none"> Member of the Vanua 	<ul style="list-style-type: none"> Government Ministry of Environment WHO 	<ul style="list-style-type: none"> District Meeting Provincial Meeting Village

	nations inconsiderate of the impacts of their activities on smaller developing nations (Ozone depletion)	past	<ul style="list-style-type: none"> Plant crops and trees that are inline with the change in climate 		meeting	
Waste water from Hotel	Hotel more concerned with its own business than the concerns of the communities and the impacts of waste water onto rivers and reefs/ fishing grounds.	For the Vanua to manage Hotel so as to prevent more damage from waste water	<ul style="list-style-type: none"> Need to discuss ways to properly dispose off wastewater, with Hotel. Stop Hotel from discharging waste water into water ways. 	<ul style="list-style-type: none"> Village headman Members of the Vanua District Rep Qoliqoli Committee 	<ul style="list-style-type: none"> Health Fisheries USP District Officer-Roko 	<p>Village Meeting</p> <p>The next District Meeting</p>

Group 4

Problems/Issues	Solutions	What is to be done?	Who is responsible	When to implement activity?		Problems/Issues
				Village	Non-village	

			?			
Night Diving	Financial Influence	Need to strengthen the role of the Qoliqoli committee	Need for the committee to be present during village meetings	<ul style="list-style-type: none"> • Village headman • Members of the Mataqali • Member of the Yavusa 		Village Meeting (7/6/10)
Small mesh net	Fishes are easily caught using this method	Ban the use of nets	Strengthen role of Fish warden	Village members	<ul style="list-style-type: none"> • Provincial Administration • Fisheries Dept. 	Village meeting
Breaking homes of Octopus	Financial Influence	Village meeting	Need to create awareness on the impact of such activity	Village headman	USP/IAS	Village meeting
Sea level rise	Weak decision making in regards to development of the Vanua: water, cutting trees, burning etc..	Replanting of trees	Need for a workshop	<p>Members of Mataqali</p> <p>Village headman</p>	Forestry Dept.	Village meeting

-End of Day 2-

Appendix 1- Participant List

Namatakula

No.	Yacamu	Koro	Tutu ni Veiqaravi
1	Vani Nalu	Vucilevu	Komiti ni Tiko Bulabula
2	Kuini Nakarawa	Namatakula	Vakatawa
3	Elenoa Lewaitoga	Vucilevu	Komiti ni Tiko Bulabula
4	Senitiki Vatulolo	Vucilevu	Nasi ni Koro
5	Jotame Vatulolo	Vucilevu	Vukevuke T/Koro
6	Alumita Qereqeretabua	Navola	Nasi ni Koro
7	Etika Nakurilagi	Namatakula	Turagalevu-T/C
8	Voate Vasekavu		Mata ni Tikina
9	Timoci Nawaibalavu	Navola	Turagani Koro
10	Rev. Lepani Raonu	Namatakula	Talatala, T/C Vusu
11	Eparama Rokoyaya	Namatakula	
12	Asesela Turagadrau	Namatakula	
13	Bola Tubuna	Namada	KKQT
14	Jovilisi Natota	Vucilevu	Turagani Koro
15	Peni Tuicakau	Namatakula	Lewe ni Vanua
16	Rt. Epli Vukailagi	Navola	
17	Sekove Ragata	Namatakula	
18	Dela Denicaucou	Namatakula	
19	Kelevi Sauradu	Namatakula	Liuliu ni Tabagone
20	Sakenasa Nahove	Vucilevu	Lewe ni Vanua
21	Asenaca Raonu	Namatakula	Radinitalatala

22	Nemia Baroka	Namatakula	Turagani Koro
23	Loata	Vucilevu	

Navola

No.	Yacamu	Koro	Mataso qosoqo
1	Bola Tubuna	Namada	Turaga
2	Kini Ravonoloa	Votua	Tabagone
3	Sainiana Daivalu	Navola	Marama
4	Kelera Nasita	Navola	Marama
5	Tevita Maralevu	Navola	Turaga
6	Ana Vukailagi	Navola	Marama
7	Mereisi Drega	Navola	Marama
8	Mereani Gonerara	Navola	Marama
9	Adi Vika Vivuga	Navola	Marama
10	Taniela Gonerara	Navola	Turaga
11	Sakiusa Dreunimolea	Navola	Turaga
12	Rt. Timoci Nawaibalavu	Navola	Turagani Koro
13	Tevita Daivalu	Navola	Turaga
14	Mereani Adinuwa	Navola	Tabagone
15	Varanise Tokula	Navola	Tabagone
16	Melania Maria	Navola	Marama
17	Asela Dreka	Navola	Tabagone
18	Rejieli Camoro	Navola	Marama
19	Apolosi Kurikoro	Navola	Tabagone

20	Josua Natulau	Navola	Marama
21	Adi Akisi	Navola	Tabagone
22	Rt. Epeli Vukailagi	Navola	Turaga
23	Alumita Qereqeretabua	Navola	Marama
24	Jack Young Lee	Navola	Tagane

Komave

No.	Yacamu	Tutu/Tavi	Koro
1	Sakiusa Tokalau	Gone Dau	Komave
2	Sovita Gonerara	Matanivanua	Komave
3	Setefano Naitonicagi	Tawa Vanua	Komave
4	Masi Vuidravunaunau	Tawa Vanua	Komave
5	Mosese Turaga	Matanivanua	Komave
6	Pio Vunimasi	Matanivanua	Komave
7	Veresi Rokosalu	Matanivanua	Komave
8	Petero Daunis eka	Gone Dau	Komave
9	Borosio Navori	Tawa Vanua	Komave
10	Iosefo Turibi		Komave
11	Veremo Taukei		Komave
12	Matia Vibote	Turaga ni Mataqali	Komave
13	Tadeo Rowaqe	Turaga ni Mataqali	Komave
14	Luke Letewale	Tawa Vanua	Komave
15	Aliti Rowaqe	Tawa Vanua	Komave
16	Josaia Totonavosa	Turaga ni Koro	Komave

17	Merewai Tuinivanua	Tawa Vanua	Komave
18	Epi M. Nawari		Komave
19	Penione Natovu	Tawa Vanua	Komave
20	Ropate Batikulikuli	Tawa Vanua	Komave
21	Panapasa Balecala	Tawa Vanua	

Appendix 2- Workshop Programme

DAY 1

<u>Time</u>	<u>Sessions</u>	<u>Session Outcomes</u>	<u>Facilitator/Lead</u>
Day I 8.00am	<i>Dolavi na Vuli</i> Introduction of Facilitators/Participants & Workshop Objectives		Rt Pio Radikedike
8:30am	<i>Session 1:</i> Presentation: “What is a resource management plan & how is it helpful?” Discussion: Why did Tikina Komave / Biausevu, Komave, Navola, Namatakula get involved with FL MMA in 2004?	Improved understanding & renewed interest in community-based resource management work	Rt. Pio, Apisai Bogiva and Isoa Koroiwaqa
10:30am	MORNING TEA		
10:45am	<i>Session 2:</i> Discussion: “Review of 2004 Management Plan” Activity: “How well has the management plan been implemented & what benefits can	Evaluation of effectiveness of 2004 management plan – what was / wasn’t done &	Rt. Pio, Apisai and Isoa Koroiwaqa

	be seen”	why / why not.
Noon	<i>Session 3:</i> Presentation: “Results of Biological & Sociological Monitoring & Research”	Understanding of measured changes in indicators Victor, Ron/Fulori, Cody, Apisai / Saki
1:30pm	LUNCH	
2:30pm	<i>Session 4:</i> Activity: “Identify & current issues / threats.”	List of current issues / threats Apisai B. and Isoa K.
3:45pm	AFTERNOON TEA	
4:00pm	<i>Session 5:</i> Activity: “SWOT analysis of village’s ability to manage issues.”	Improved self-awareness & renewed commitment Apisai and Rt. Pio

DAY 2

<u>Time</u>	<u>Sessions</u>	<u>Session Outcomes</u>	<u>Facilitator /Lead</u>
Day 2 8.00am			
8:15am	<i>Session 6:</i> Presentation: “Understanding threats to the Komave Qoliqoli & management options”	Improved understanding of basic reef ecology & conservation principles	Victor, Kini/Bola
9:30am	<i>Session 7:</i> Activity “Consolidating & prioritizing Threats / Issues &	Prioritized list of issues / threats	

	Identifying root causes.	linked to root causes	Rt. Pio and Apisai
10:30am	MORNING TEA		
10:45	<i>Session 8:</i> Activity: "Village vision exercise"	Common Vision for village / tikina	Isoa Koroiwaqa
11:30pm	<i>Session 9:</i> Activity: "Revise & Adapt Village Management Plan"	Suggested plan of action to address each issue	Rt. Pio, Apisai and Isoa
1:30pm	LUNCH		
2:30	<i>Session 9 con't:</i> Activity: "Revise & Adapt Village Management Plan"	Agreed plan of action to address each issue	Rt. Pio, Apisai and Isoa
3:45pm	AFTERNOON TEA		
4:00pm	<i>Session 10:</i> Activity: "Organizing & Coordinating for Implementation of Village Management Plan"	Improved organization & linkage to partners	Rt. Pio, Apisai and Isoa
5:30	Close of workshop		Rt. Pio and Victor Bonito

Appendix 3- Powerpoint Presentations

- Socio-Economic Survey -By Sakiusa Fong and Apisai Bogiva (IAS)
- Biological Monitoring - By Ron Simpson and Fulori Waqairagata (IAS)
- Marine surveys and Awareness - Victor Bonito and Cody Clements (Reef Explorer Fiji and USP PG Student)