



# METRONOME TRIP REPORT 22

Nui, Nukufetau and Vaitupu

## ABSTRACT

Trip report done in the Central group. Activities done for each island with results and recommendation that the team experienced during the trip.

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## 1.0 Summary

The metronome trip for this year was focusing on the development of the coastal fisheries management plan from the community. The team spent the total days of 23 in the Central; team left Funafuti on the 16<sup>th</sup> of March and returned on the 10<sup>th</sup> of April. There were similar activities that have been on-going that was part of the trip. The total of Boat and Canoe that was surveyed were: Nui – 48; Nukufetau – 70; Vaitupu - 35. Ciguatera Fish Poisoning Case Update was none from all islands. Awareness programs were done in schools only. A refresher training for Data Collectors and feedbacks from each data collector. Post-harvest Training done in all islands – training of Community Fisheries Centre (CFC). Grab bag inspection from each island and the evaluation of the Grab bag condition. Maintenance of FADs in Vaitupu and evaluating the status of the FADs. An additional activity was added – LMMA Household Survey interviewing the community’s point of view on Locally Managed Marine Area from their own island. In the community consultation, the goals in all islands were similar in wanting the improvement of their coastal fisheries resources. Each island have different approach on achieving the goal. There have been some feedbacks made from the community and Kaupule on how Fisheries could assist the island in various activities from the closing consultation (Day 3 of Developing Community Fisheries management Plan – Community Consultation & last day consultation with the kaupule).

## 2.0 Introduction

The team were funded by the Pacific Regional Oceanscape Project (PROP) and the Government of Tuvalu. These funds were used to support the program conducted in the Central islands; achieving the activities laid out in the tentative program.

The purpose of the mission to the central islands (Nui, Nukufetau and Vaitupu) was to consult with the Falekaupule and the communities in developing a new management plan that would focus solely on coastal fisheries related issues.

The team had other objectives planned during their stay in the central islands. Programs such as: Awareness Program (Community and School Awareness), Ciguatera Fish Poisoning Case update, Boat & Canoe Survey, LMMA Activities (Household Survey), Manta Tow in Nui, Post-harvest Activities and FADs maintenance.

The LMMA household survey was first carried out by Fisheries officers on three islands in the central Tuvalu which is Nui, Nukufetau and Vaitupu. This survey is to find out how much people know about the LMMA and also to find out from the people’s perspective on how to improve lending of information about LMMA. In this survey, there are 30 people from each 3 islands that are randomly selected by TFD team to participate in this survey. The participants include children of 13 years old and above, youths, fishers, people in middle age and the old people.

Presentation briefly provided an overview of the Section activities to give a clear ideas to the participant on the important of the section to fishermen and each island CFC. And followed by a presentation on fish handling; the following is a short summary of the presentation content;

- ✓ What is fish spoilage
- ✓ What is the cause of fish spoilage
- ✓ Why is it important to handle fish properly

- ✓ Ways to preserve fish to maintain good quality of fish

The second presentation provided a refresher for CFC staff on the idea and concepts of fish preservation. The workshop training provided them with an idea of preserving our food. And also discussed on why it is important to preserve our fish as summarized below;

- To maintain quality of fish (appearance, texture, flavor and nutritive value)
- To Protect food safety
- To reduced losses between harvest and consumption
- Introduced a trend of domestic trading.

Each CFC staff showed their interest and understand the different ways we can use to handle and preserve fish. And lastly, they understand the important as to why we need to handle fish properly and preserved them.

FAD's maintenance and monitoring was vital in assessing the condition of the FAD. Vaitupu was the only island in the central

### 3.0 Methodology

The arrangement with the central islands was prepared prior for the team's arrival. It was done by contacting the main person of each island in arranging the accommodation and needs for each island.

The team left Funafuti to Nui on the *LC Moeiteava* on the 16<sup>th</sup> of March and arrived on the 17<sup>th</sup> March. The *RV Talamoana* picked up the team from Nui on the 23<sup>rd</sup> of March and arrived in Nukufetau on the 24<sup>th</sup> of March. The *RV Talamoana* picked the team up from Nukufetau on the 1<sup>st</sup> of April and arrived in Vaitupu on the 2nd of April. The *RV Talamoana* then picked the team up from Vaitupu on the 9<sup>th</sup> of April and arrived in Funafuti on the 10<sup>th</sup> of April.

Consultation with the Kaupule; informing the Kaupule members on the tentative program and amending the changes in the time and day. Consultation with the Community, the presentation was made first to understand the concept the establishing of a coastal fisheries management plan. In activities section, the community was divided into 5 groups: Kaupule (and men), Elders, Fishermen Association, Women Association and Youth Association.

Selected number of presenters were presented in the school awareness on topics that relates to the coastal fisheries resources.

The Refresher training for Island Data Collector was done by arranging the time available for the Data Collector to visit the team.

The team members would visit to the medical center and discuss with the nurse on the positive cases of Ciguatera Fish Poisoning.

The team were divided into groups of two and the number within the group; it varies depending on the team members' time availability. The group would stroll around the island to find the boat or canoe then gets its measurements (measuring the length of the boat or canoe). Coordinates were recorded of where the boat or canoe was located using a GPS

The team from Resource Assessment and Monitoring sub-section made a trip around the lagoon and used the Manta Tow method in counting the invertebrates (Beche-de-mer or BDM).

For the LMMA Household Survey, the whole team was divided into two groups that would go to either one of the island communities side (Eg. Asau and Tumaseu in Vaitupu). Each group interviewed 15 participants from each side of the island community.

Post-harvest training was started off with Nui CFC on the 21<sup>st</sup> March 2022 to the 23<sup>rd</sup> March 2022, Nukufetau CFC started on the 29<sup>th</sup> March 2022 to 30<sup>th</sup> March 2022 and successfully ended with Vaitupu CFC on the 5<sup>th</sup> March 2022 to the 7<sup>th</sup> of March 2022. The training formally opened with a short summary and the benefits of the training. Then lastly, followed by a summary of the training expectations which included;

- I. CFC to produce healthy fish products;
- II. Improved knowledge on Fish Handling and processing;
- III. Improving opportunities for fish product marketing;
- IV. Improving trading of fish product between Tuvalu and the Pacific Islands;
- V. Understand different ways of preservation methods.

An inspection was carried out on the 19<sup>th</sup> March 2022, which was started with Nui, Nukufetau on the 31<sup>st</sup> March 2022 and successfully concluded with Vaitupu on the 8<sup>th</sup> March 2022. This is to effectively inspect each Grab Bags and to refresh each local fishers on the usage of each safety gears in the Grab Bag. This is one of the section priorities to ensure all fishers access to well-maintained safety equipment (Grab Bag) and at least inspected once in every year.

Prior to the team's departure, a final consultation was made to the Kaupule in summarizing the activities done in the island.

## 4.0 Results & Storage

### 4.1 Community Consultation

For this year's metronome trip, the community consultation was based on developing the Coastal Fisheries Management Plan. The island community was divided into groups with fisheries officers as facilitators for each group. The goals from all islands have shown similar goals but their goals and strategies were different in achieving the goals.

#### 4.1.1 Nui Community Consultation

The consultation was held at *Manatu Mai Au* Falekaupule; commenced on the 18<sup>th</sup> of March then resumed the consultation on the 21<sup>st</sup> to the 22<sup>nd</sup> of March. The groups were divided into 5 groups: **Kaupule**, **Toeaina** (Elders), **Fishermen Association**, **Fafine** (Women Association), and **Malosiga** (Youth Group). The goal from all groups were similar as they want to ensure that there is an improvement of coastal fisheries resources and supporting the livelihood of Nui community. The attendance was great and have shown great interest in the developing of the plan. The community were more focused in getting the plan continuously operational in order to achieve some of the objectives to manage their coastal fisheries resources.

#### 4.1.2 Nukufetau Community Consultation

The consultation was held at *Feagaimoteata* Falekaupule; commenced on the 25<sup>th</sup> of March then resumed on the 28<sup>th</sup> to the 29<sup>th</sup> of March. The groups were divided into 5 groups: **Kaupule**, **Toeaina** (Elders), **Fishermen Association**, **Fafine** (Women Association) and **Tamanuku** (Youth Group). The goal from all groups were similar as they focused on improving the coastal fisheries resources in Nukufetau. The attendance from the community was satisfactory as there were some community members were busy constructing the Tutas Primary School. The community were more focused on strengthening the by-laws in managing the coastal fisheries resources.

#### 4.1.3 Vaitupu Community Consultation

The consultation was held at *Anipule II* Falekaupule; commenced on the 5<sup>th</sup> of April to 7<sup>th</sup> of April. The groups were divided into 5 groups: **Kaupule & Men**, **Toeaina** (Elders), **Fishermen Association**, **Fafine** (Women Association) and **Lima Malosi** (Youth Group). The goals from all groups were similar as the community expected to have an improvement of coastal fisheries resources in Vaitupu. The attendance was great and have shown interest in the developing of the plan. The community were focused on the ecological point of view in dealing with the sediments found in the lagoon and ways to dredge the sediments out of the lagoon.

#### 4.2 Ciguatera Fish Poisoning Case Update

In all islands from the Central, there was **no positive case** on Ciguatera Fish Poisoning.

#### 4.3 Boat & canoe Survey

The team made a survey on locating boat and canoe and observe their conditions and location. Here are the tables from the central below:

**Table 3.3a showing the types of boat/canoe and the number of vessel measured in Nui.**

Type of Boat/Canoe	Number of Boat/Canoe Measured
Wooden Boat	1
Aluminium Boat	23
Wooden Canoe	24
Aluminium Canoe	0
Fiberglass Boat	0
<b>GRAND TOTAL (BOAT+CANOE)</b>	<b>48</b>

From the above table, it shows that majority of the boat/canoe that was measured was the Wooden Canoe in Nui.

**Table 3.3b shows the types of boat/canoe and the number of vessels measured in Nukufetau.**

Type of Boats/Canoe	Counts
Aluminum Boat	38
Wooden Boat	8
Aluminum Canoe	0
Wooden Canoe	7
Fiberglass Boat	17
<b>GRAND TOTAL (BOAT+CANOE)</b>	<b>70</b>

From the above table, it shows that the majority of the boat/canoe that was measured was the Aluminum Boat in Nukufetau.

**Table 3.3c shows the types of boat/canoe and the number of vessels measured in Vaitupu.**

Type of Boats/Canoes	Counts
Aluminum Boat	18
Wooden Boat	7
Aluminum Canoe	0
Wooden Canoe	6
Fibreglass Boat	4
<b>GRAND TOTAL (BOAT+CANOE)</b>	<b>35</b>

From the above table, it shows that majority of the boat/canoe that was measured was the Aluminum Boat in Vaitupu.

**4.4 LMMA Activities**

**4.4.1 Household Survey**

The LMMA Officer conducted a survey with the help of the metronome team and the islands Community Fisheries Officer (CFO) and Data Collector (IDC). The survey was focused on:

- Participants who were fishers
- Heard of LMMA
- Knowledge of LMMA
- Knowledge of rules based on LMMA
- Penalties in placed
- Knowledge of LMMA Boundary
- Opening of LMMA

Here are the results from all islands from the Central.

**4.4.1.1 Nui**

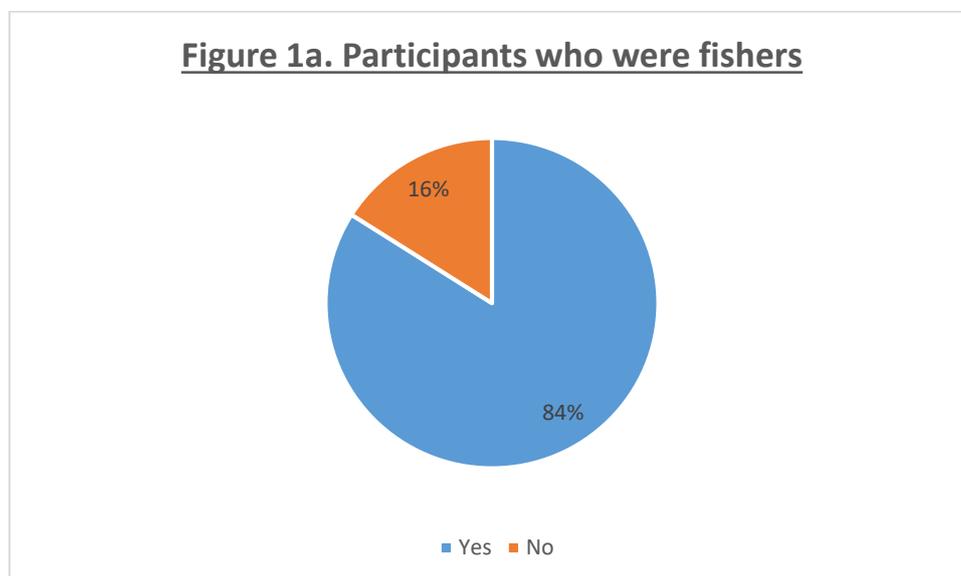


Figure 1a above shows that most of the respondents were fishers. They mentioned that they mostly fished 2 – 4 times a week. Some of the participants used the catch for selling to support their families financially. Instead of selling their catch, they take them home for family consumption.

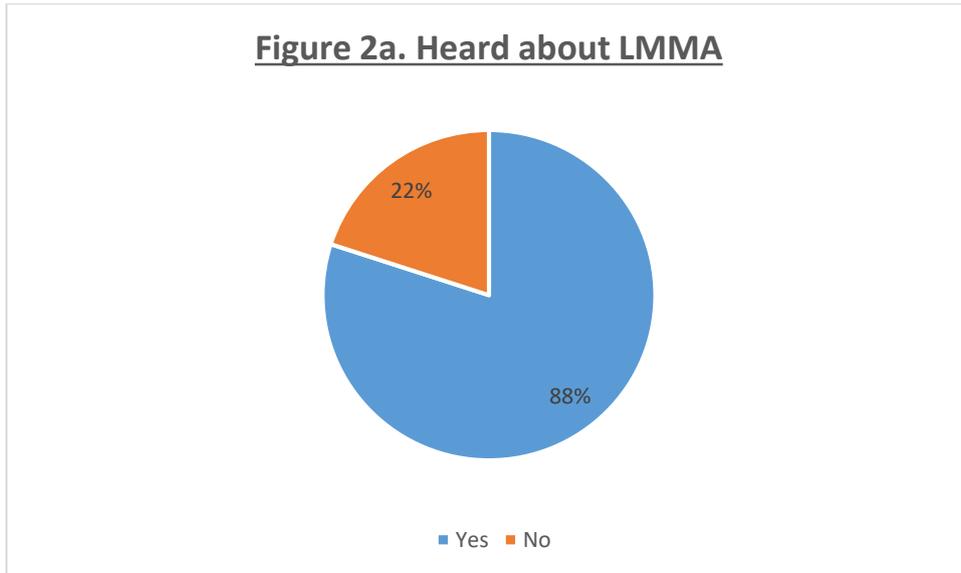


Figure 2a above shows the respondents heard on what LMMA was about. Most of them heard about the difference between the LMMA and MPA.

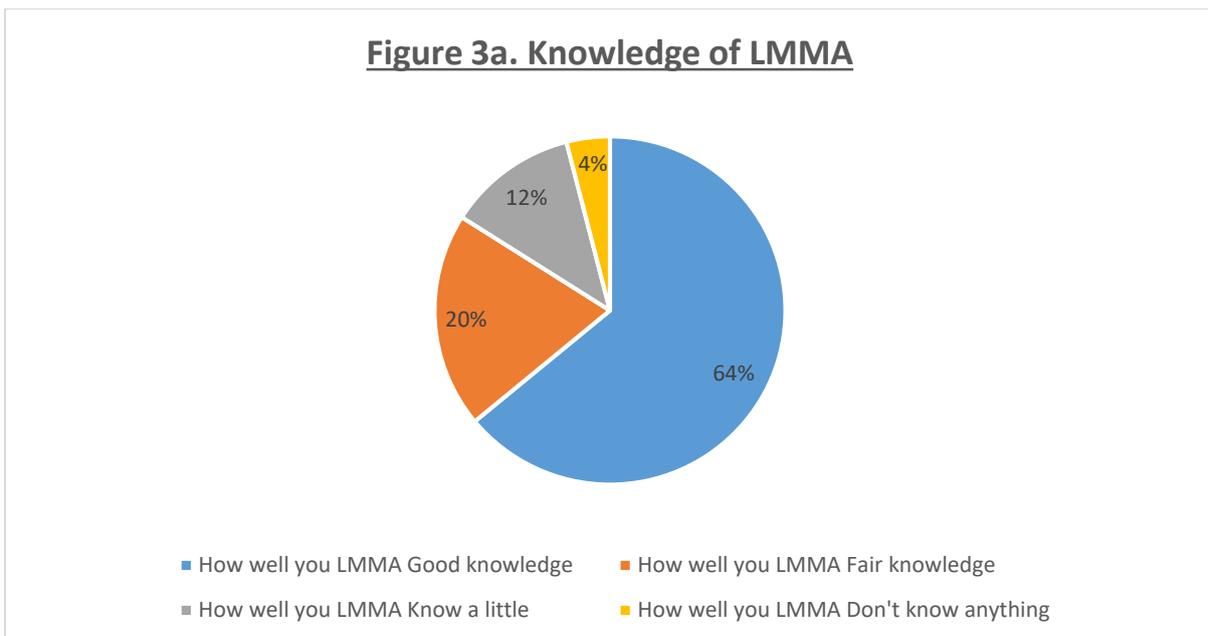


Figure 3a above shows that 64% respondents have knowledge of LMMA whereas 4% of the respondents have no knowledge of the LMMA. They have great knowledge on the reason why LMMA is established, its rules and guidelines, penalties and the LMMA boundary. Most people on the island claims that metronome trips have been the best way for them to earn about LMMA information. They recommended that this metronome trips to be continue as their way to receive LMMA related information.

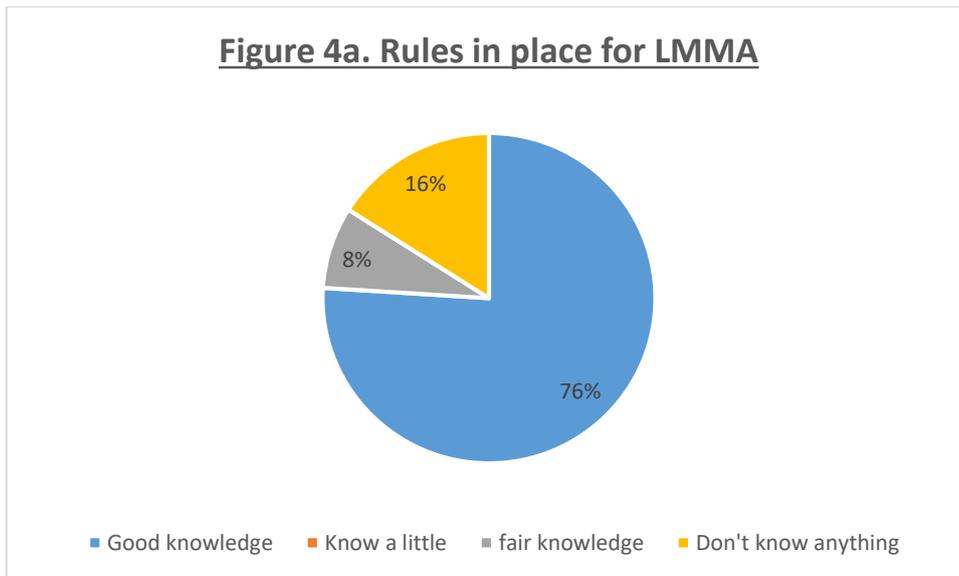


Figure 4a above shows that 76% of the respondents have good knowledge of the rules in placed for the LMMA whereas 8% of the have a fair knowledge of the rules in placed. 16% of the respondents have shown that they do not about the rules in place. (Sentence for elaborating)

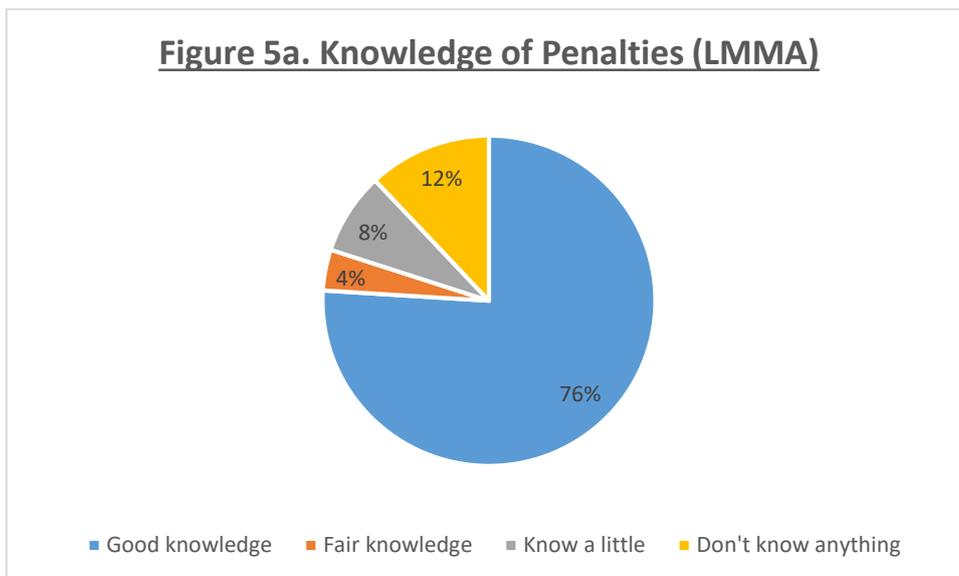


Figure 5a above shows that 76% of the respondents have good knowledge of the penalties whereas 4% of the respondents have a fair knowledge of the penalties in place.

There are 5 existing management measures on the island including no spear fishing, no diving of turtles, prohibit the use of fishing nets less than 2 inch in mash, prohibit the use of net fishing around patch reef in the lagoon and prohibit the use of scoop net ('lama) in the lagoon. Other than LMMA, MPA, Size limit and gear restriction, aquaculture was recommended by most of the 30 participant to be the main approach that help improve the management of coastal marine resources in Nui.

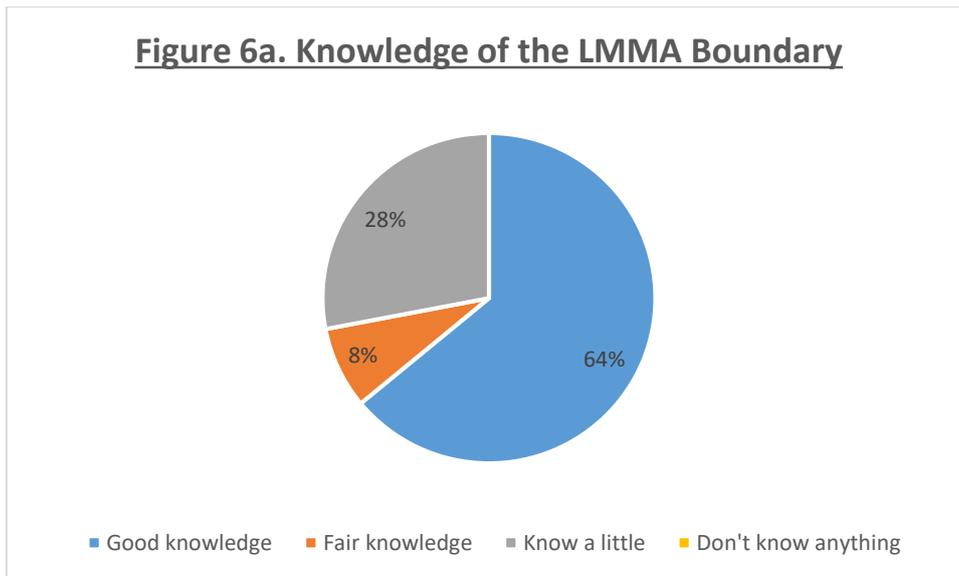


Figure 6a above shows that 64% of the respondents have good knowledge of the LMMA Boundary whereas 8% of the respondents have a fair knowledge of the LMMA Boundary.

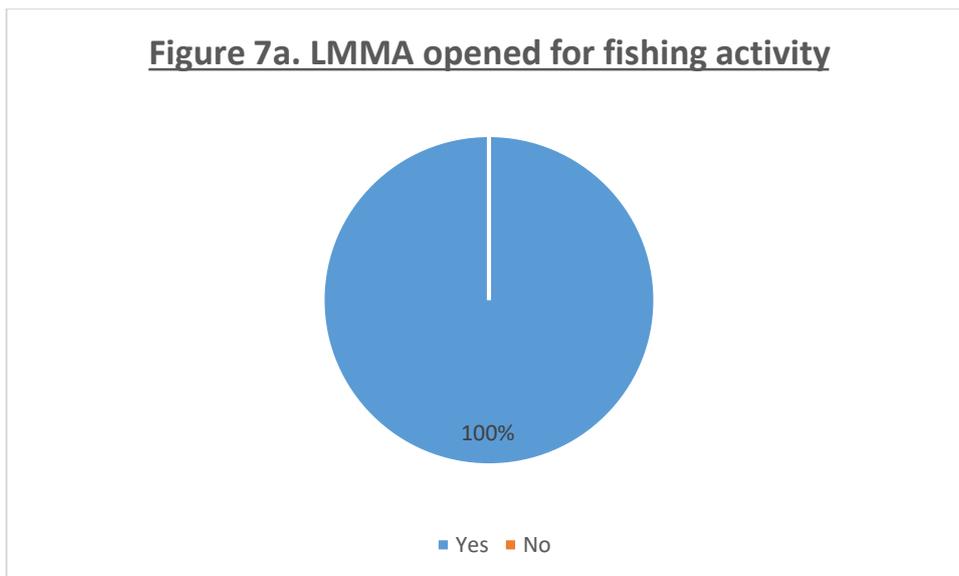


Figure 7a shows that all of the respondents agreed that the LMMA was opened for fishing activities for special occasions. The 30 participants in this survey all agreed that the Falekaupule and its leaders have open the Nui LMMA in the past 2 years. Most of them argued that these areas were open twice a year and for 1 day only with limitation that equal to the use of fishing rod, hand line fishing (*Matau, lafolafola*) and collecting of coconut crab and other crab species.

Other fishing methods still prohibited unless marine resources have been requested by the Nui community on Funafuti to provide catering on certain occasion hosted by the government. One of the reason the Nui Falekaupule open their LMMA is when the island community host a picnic for students and government officials who spend their holiday on the island.

Another reason is when government officials requested the Falekaupule and its leaders to visit these areas during their tour visit to Nui.

The main concerns over the past 2 years are coral bleaching, algal bloom and pollution. Nevertheless, Nui have a minor impact on decreasing in the coastal marine resources. The main species identified are Topsail (*Kyphosus Cinerascens: Nanue*), Bluestripe seaperch (*Lutjanus Kasmira: savane*), Humpback snapper (*Lutjanus gibbus: Taea*), Turtle (*Cheloniodea sp.: Fonu*), Sharpnose mullet (*Neomyxus chaptalii: Fuagutuloa*), Diamond scale mullet (*Liza vaiagensis: Kafakafa*), Grouper (*gatala*), sea cucumber (Funafuna), Sipny rabbitfish (*Siganus spinus: maiava*), Convict surgeon fish (*Acanthurus triotegus: Manini*).

#### 4.4.1.2 Nukufetau

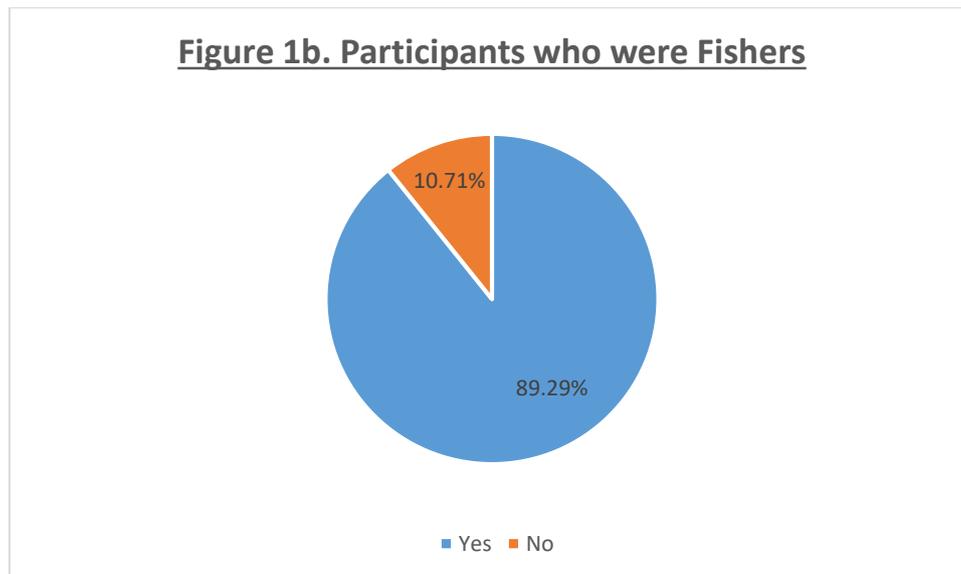


Figure 1b above shows that 89% of 30 participants were fishers. They mostly fished 2-4 times per week. This survey shows that the average number of household of 30 participants is 7. Most of the participants are fishers. They usually went out fishing between 2-6 times per week. There are very few fishers who intend to sell their catch for income. Yet, the others have rely on marine resources for family consumption.

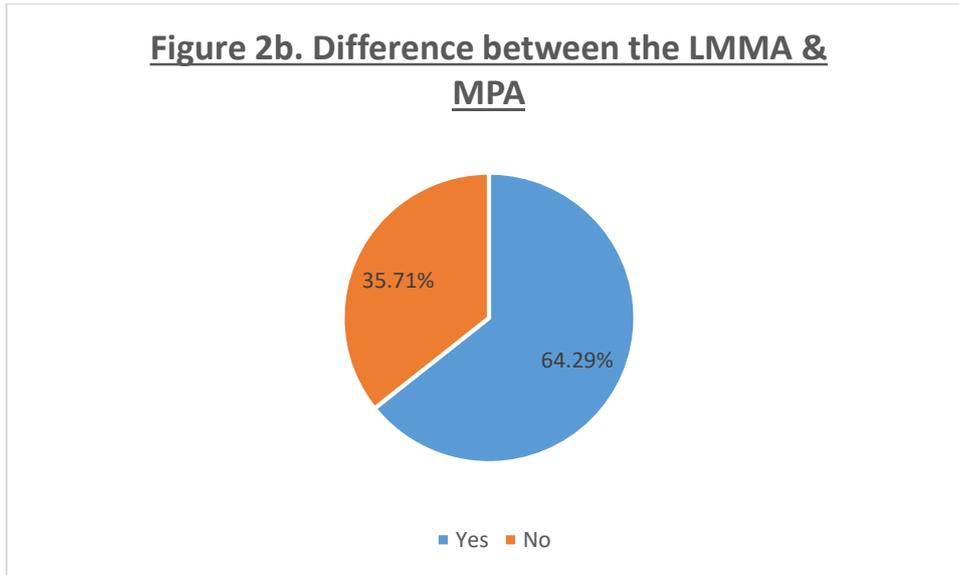


Figure 2b above shows the respondents view on the difference between LMMA and MPA and its function. 64% of the respondents understood on the differences between LMMA and MPA.

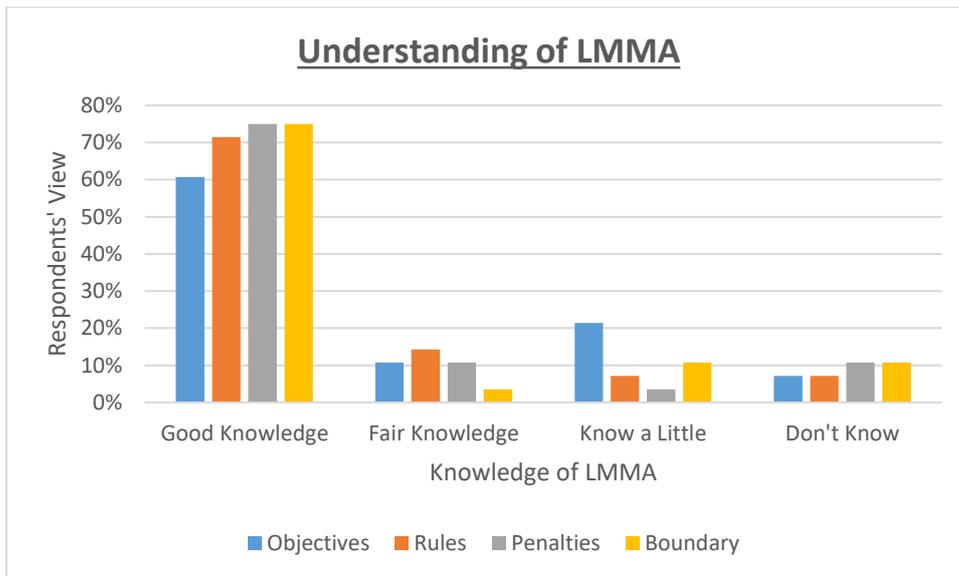
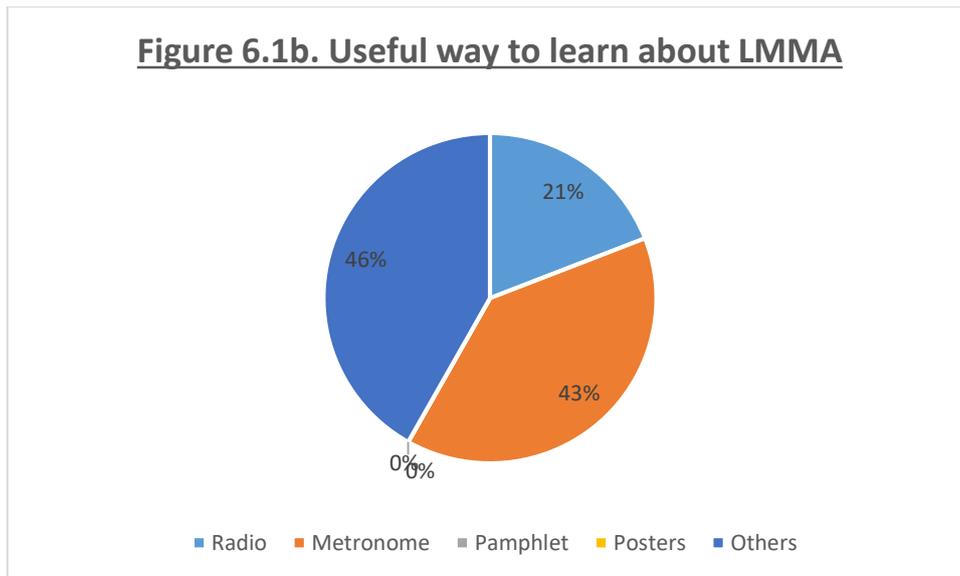
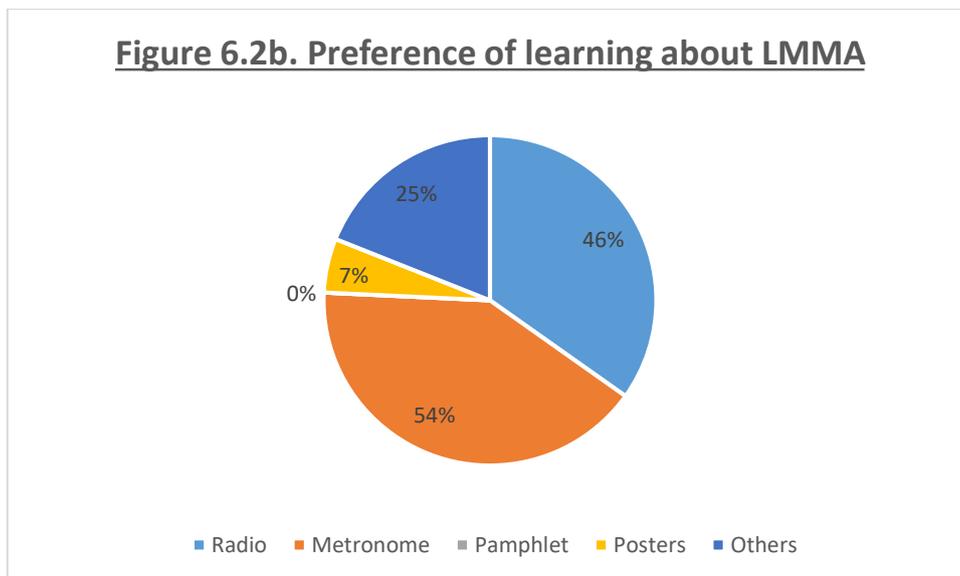


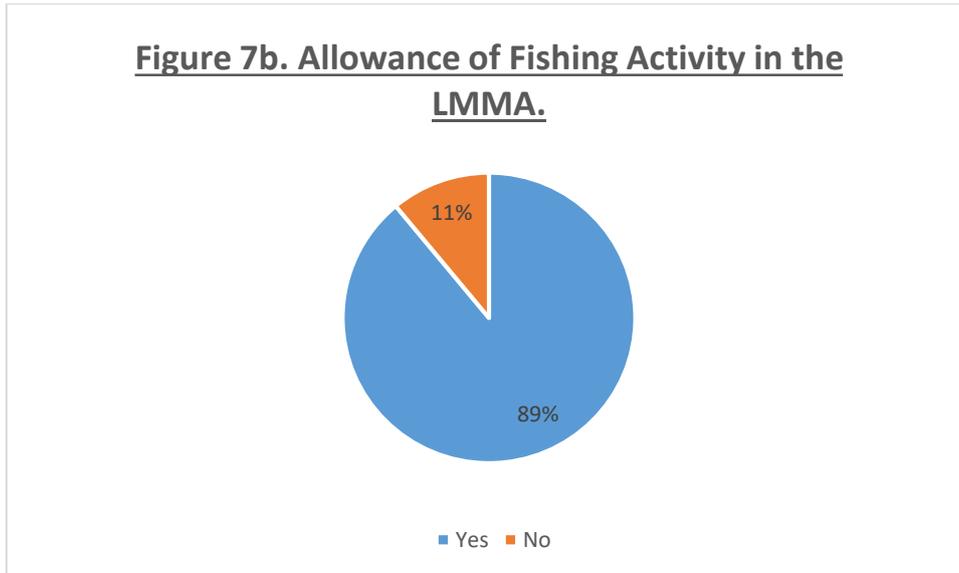
Figure above shows that the respondents view on understanding LMMA by looking at different settings of Objective, Rules, Penalties and Boundary. Quite a number of people involved in this survey have a great understanding of real reason for LMMA establishment, rules and guidelines, penalties for breaching the rules of the LMMA and the LMMA boundary.



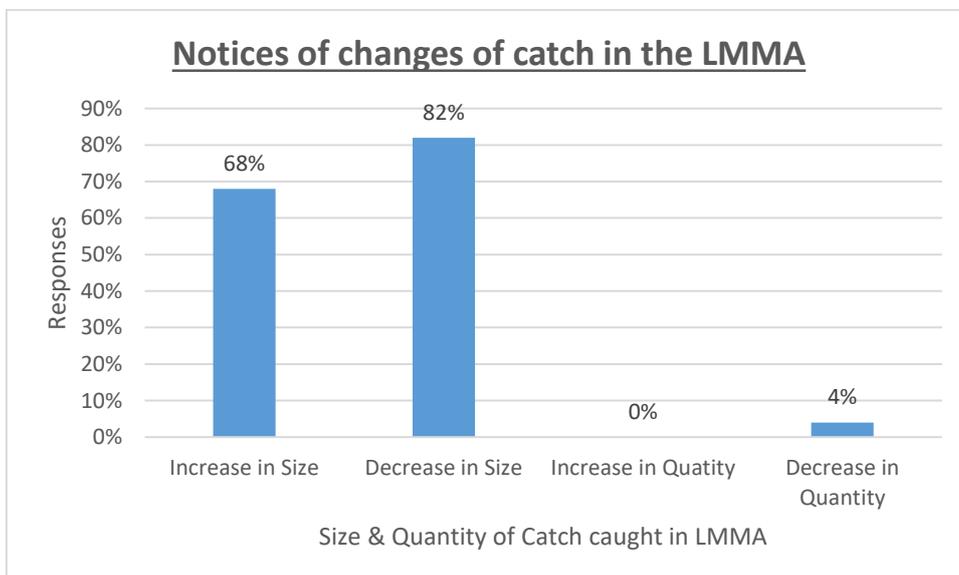
People on the island have reported that metronome trips have been the best way for them to receive LMMA related information in the past.



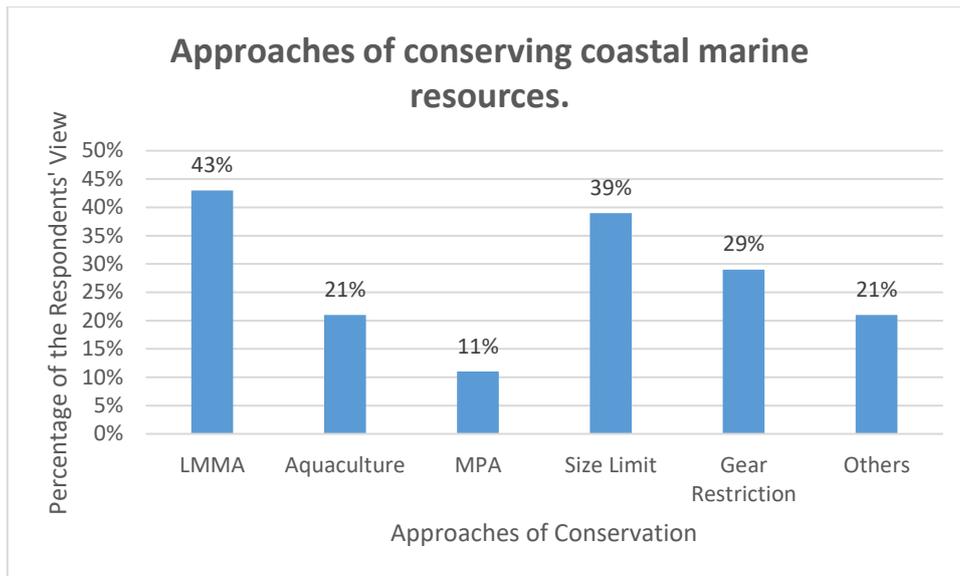
The majority of them suggested that metronome trips to be continued as their main source of information regarding LMMA related matter; the most useful way to deliver LMMA information. Metronome is the best way for people to receive LMMA information.



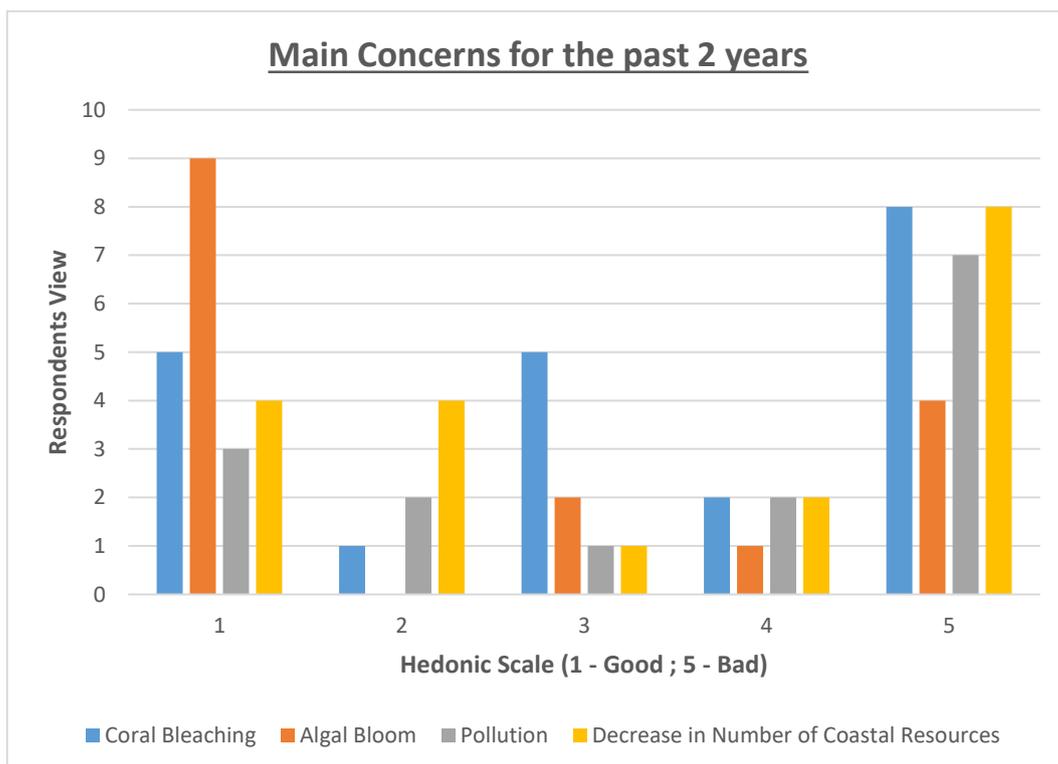
The LMMA has been open by the island chief and the Falekaupule for fishing activities. It was advised that these areas have opened in 1-2 times a year and in a period of 1 day only when it is open. Reports from the people on the island that these areas are only permitted by the Chief and the Falekaupule when the island host a big ceremonial event. The Nukufetau community on Funafuti may request their main island for marine resources if they involved in catering of such event host by the government.



Most of the people on the island claims that during the open period of these LMMA, they found out that there is an increase in the sizes and quantity of fish caught by the community.



LMMA has the highest recommended approach to improve conservation of coastal resources. They recommended LMMA, Aquaculture, MPA, Size limit and gear restriction as approaches to improve the management of their marine resources.

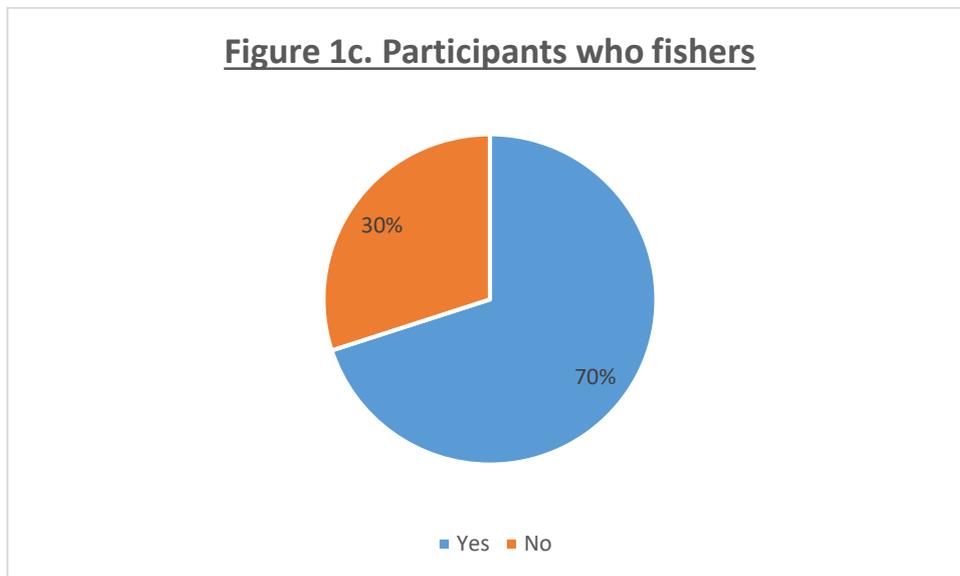


Coral bleaching, pollution and decreasing of marine resources are the main concerns on the past 2 years.

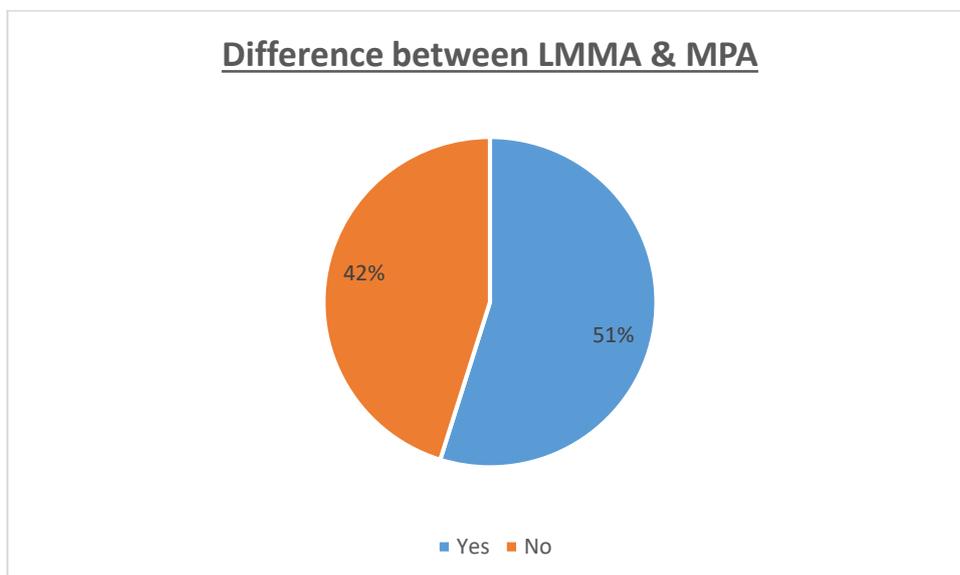
The main species that are noted to be decreasing over the years are, Humpback snapper (*Lutjanus gibbus: Taea*), Bluestripe seaperch (*Lutjanus Kasmira: savane*), Sipny rabbitfish (*Siganus spinus: maiava*), Orange spine unicorn fish (*Naso lituratus: Umalei*), Diamond scale mullet (*Liza vaigiensis:*

*Kafakafa*), Topsail (*Kyphosus cinerascens*: *Nanue*), Tuna, Macakerel scad (*Decapterus macarellus*: *Atule*), Turtle (*Cheloniodea sp.*: *Fonu*)

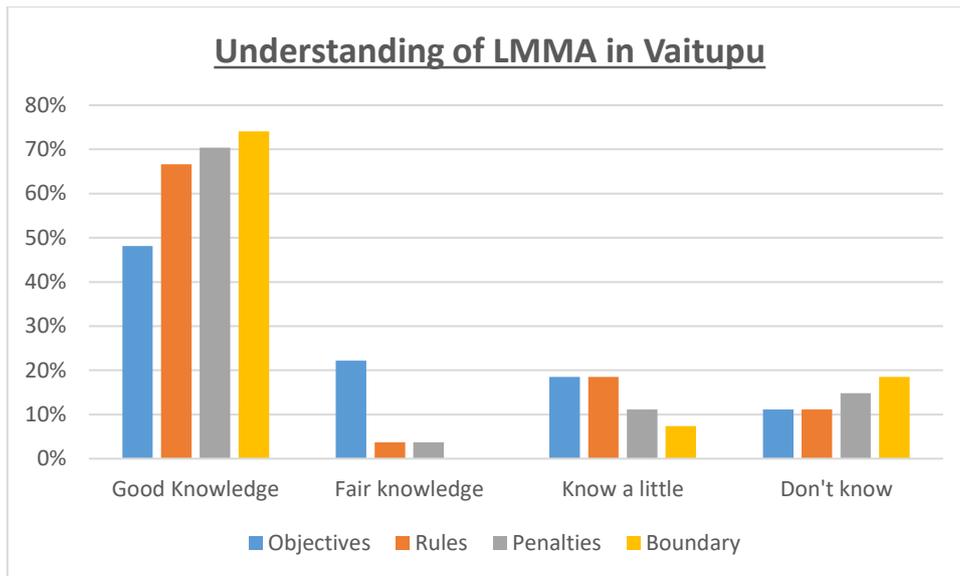
4.4.1.3 Vaitupu



Most of the participants are fishers. They usually went out fishing between 2-6 times per week. There are very few fishers who intend to sell their catch for income. Yet, the others have rely on marine resources for family consumption.

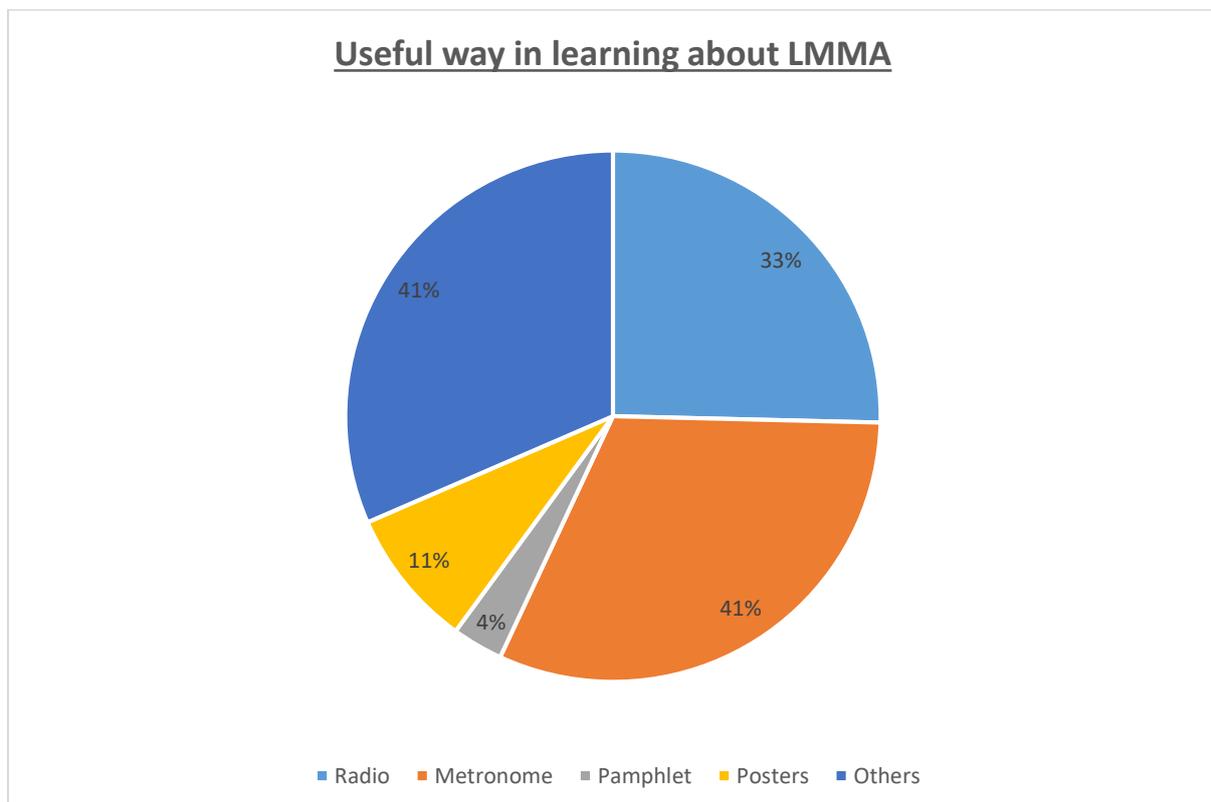


The graph above shows that 51% percent of the respondents understood the difference between LMMA and MPA.

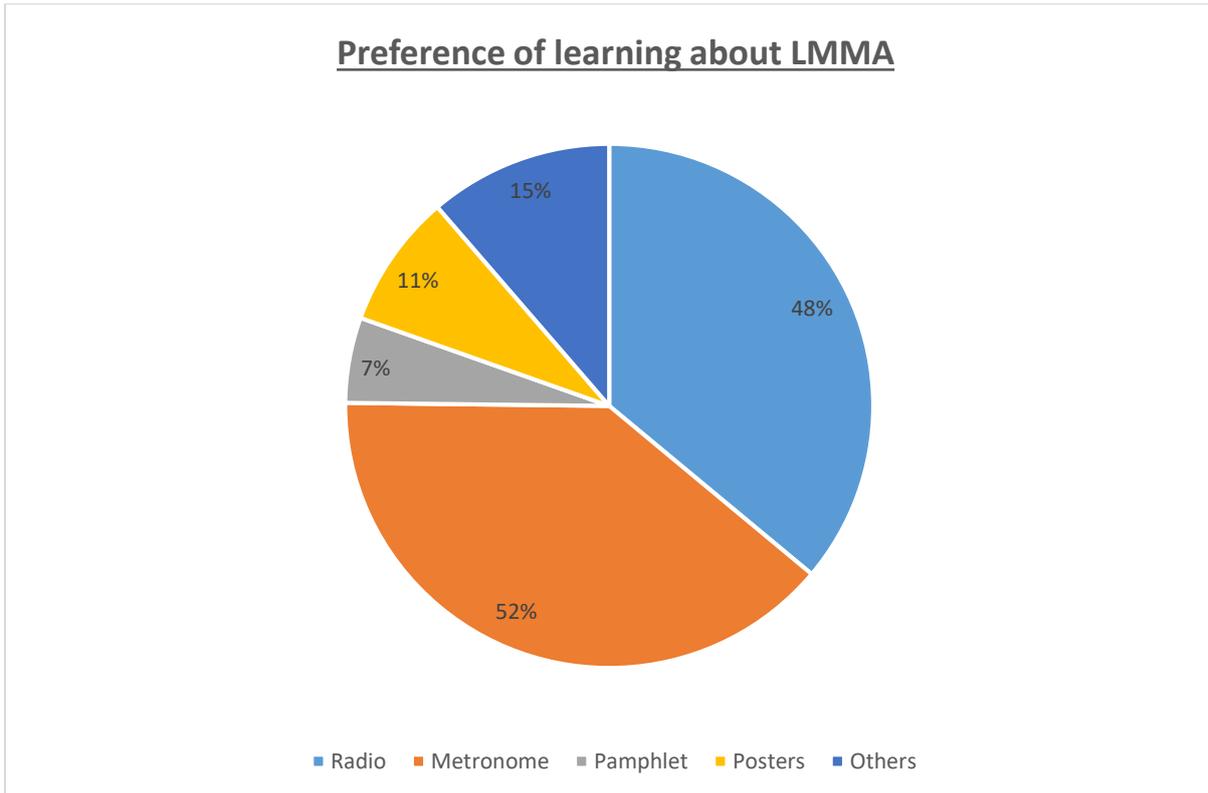


More than half of the people involved in this survey have heard of the LMMA, have good understanding of the rules of the LMMA, penalties for breaching the LMMA rules and good knowledge in the LMMA boundary.

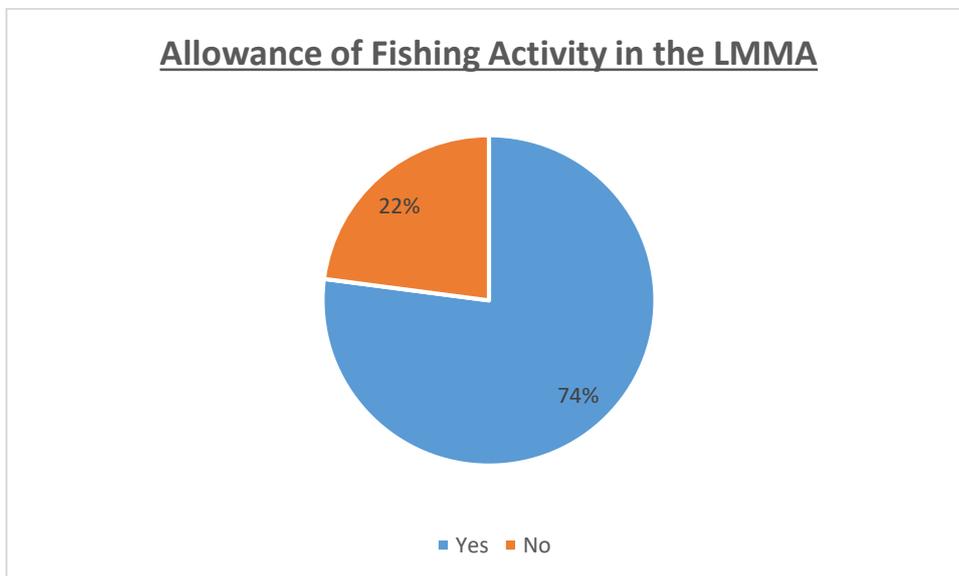
However they have less knowledge in the difference between LMMA and MPA and the LMMA objectives.



The graph above shows how the respondents learn about LMMA. 41% of the respondents replied that metronome trips from fisheries team helped the community understand more on LMMA and its functions and impact towards the resources, environment and community.

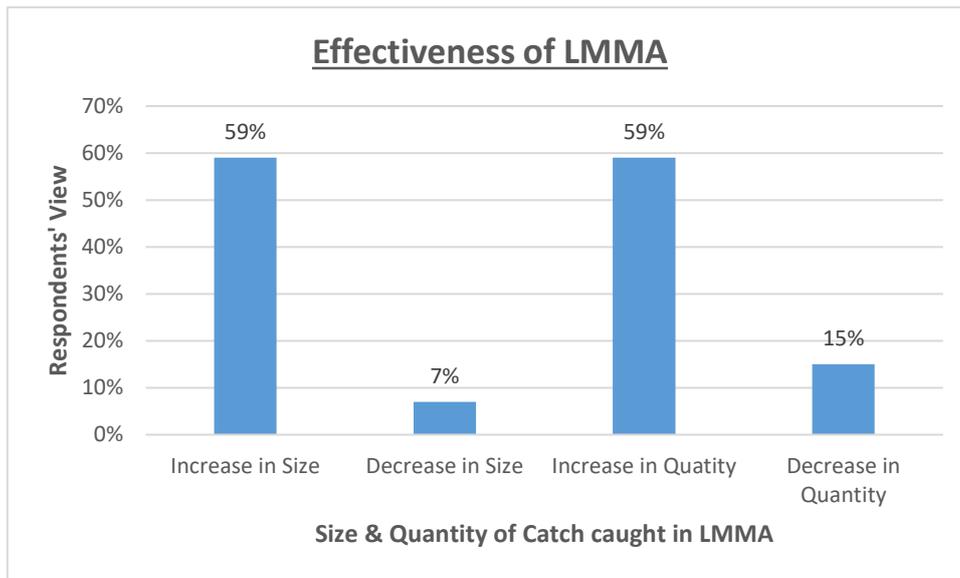


It was reported that metronome trips have been the best way for people on the island to receive LMMA information and it also recommended by the island people to continue metronome trip as their best way to receive LMMA related information

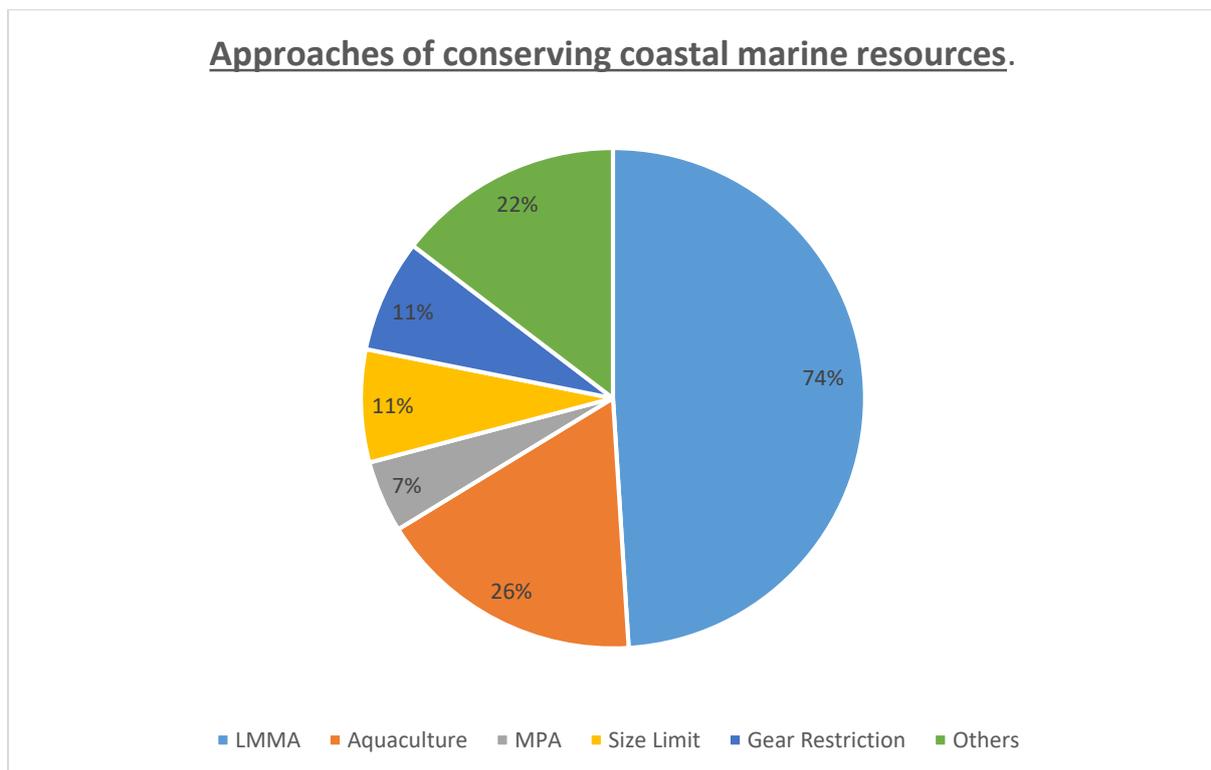


More than half of the 30 participant confirmed that the Vaitupu LMMA have opened in the past 2 years. Mostly, these areas were opened between 1-3 times per year.

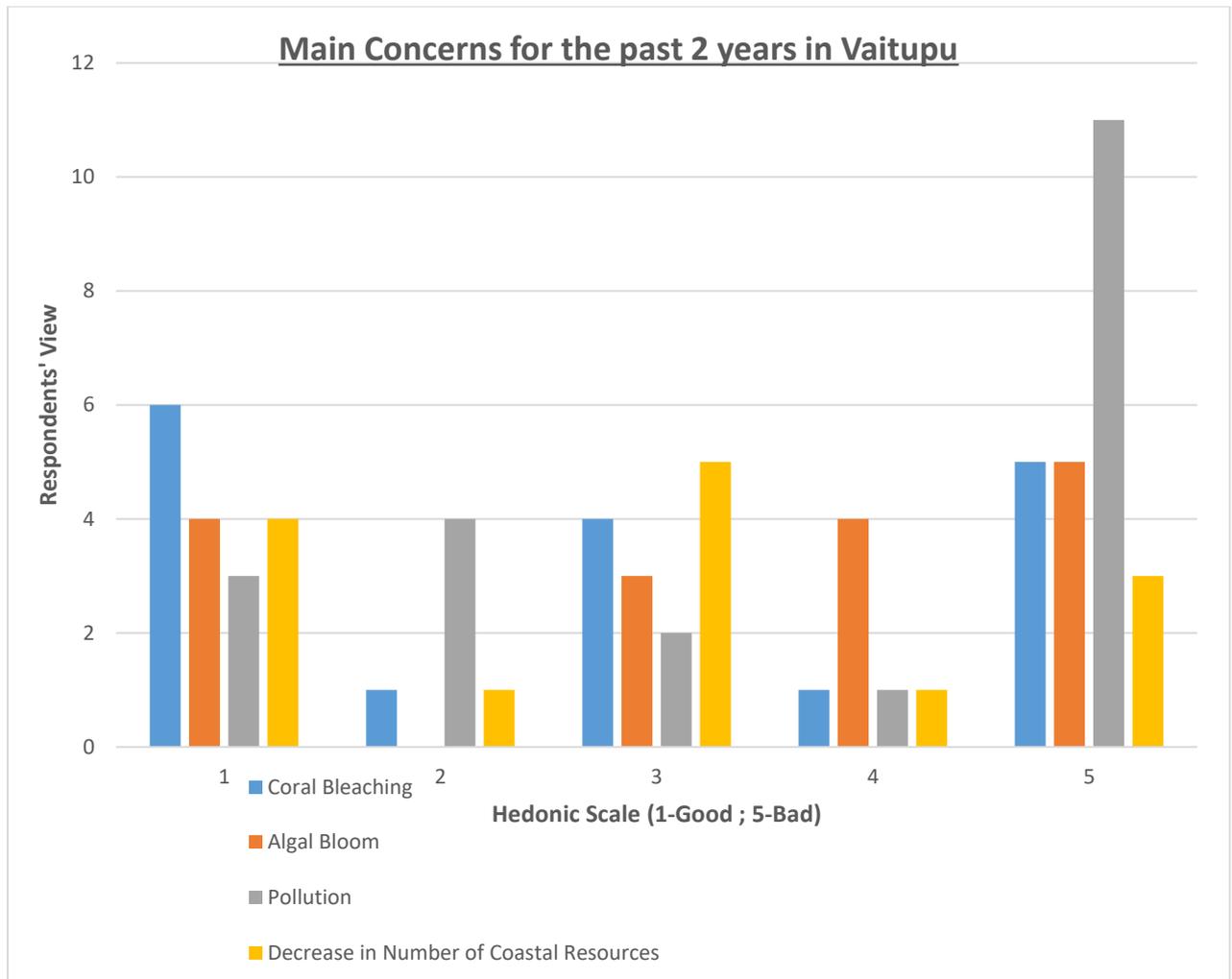
The island chief and the Falekaupule have allowed the island community to catch fish and crabs in these areas during bad weather were people hardly go out fishing in the open coastal areas. The other reason the island chief and the Falekaupule of Vaitupu open their LMMA for fishing activities in the past 2 years is that the Vaitupu community on the Capital requested their main island for marine resources for catering purposes in one of the event host by the government.



During the harvest of marine resources in the Vaitupu LMMA, most of the people noticed the increase in the sizes of fish and the amount caught by the community.



LMMA, Aquaculture, Size limit and gear restriction have been listed as approaches to improve the management of the Vaitupu coastal resources.



Pollution is the main concern over the past 2 years.

The main species that are noted to be decreasing are Surgeonfish (*Acanthurus lineatus*: *Ponelolo*), Vlaming’s unicornfish (*Naso vlamingii*: *Pokapoka*), Sharpnose mullet (*Neomyxus chaptalii*: *Fuagutuloa*), Diamond scale mullet (*Liza vaiagensis*: *Kafakafa*), Milk fish (*Chanos chanos*: *Paneava*), Slender keeltail needle fish (*Platybelone argalus*: *Ise*), Convict surgeon fish (*Acanthurus triotegus*: *Manini*), Wahoo (*Acanthocybium solandri*: *Paala*).

**4.5 Manta Tow Activity in Nui**

The resource assessment and monitoring sub-section team and one officer from outer islands coastal management sub-section were involved in the survey in counting the population of the variety of beche-de-mer found in the Nui Lagoon. Nui was the last island to conduct the Manta tow survey within the lagoon. They covered the distance of 8.7 km covering the area of 87km<sup>2</sup>.

Here are the counts below:

**3.5a shows the sea cucumber species and the sample population of each species.**

Sea Cucumber Species	Population (Sample)
Lollyfish ( <i>Holothuria atra</i> )	84
Curryfish ( <i>Stichopus herrmanni</i> )	3

<b>Leopardfish (<i>Bohadschia argus</i>)</b>	28
<b>GRAND TOTAL (BDM)</b>	<b>115</b>

The above table shows that the species with the highest population is the Lollyfish (*Holothuria atra*).

#### 4.6 Other Activities

##### 4.6.1 Awareness Program

The team made a topic that was related to coastal fisheries resources. The topics covered were **Importance of FADS** presented by Pafini Fepuali, **Coral Reef Importance to Fishery** presented by Sione Falesene and **Size Limit** presented by Paeniu Lopati. It was only presented in schools as the community awareness was not set up due to community consultation.

In primary schools, the classes ranges from Class 6 – 8 students whereas in secondary school, the whole school was involved in the awareness program. There were pop quizzes made at the end of each presentation. For Motufoua Secondary School, the pop quiz was made and were given prize giveaways based on the presentation.

The Fisheries team presented the school incentive as a gift to the Primary Schools for senior classes.

There were some comments made from some staff based on the Awareness program.

##### **NUI (VAIPUNA PRIMARY SCHOOL)**

- Have posters and brochures that was similar to the topics presented.
- Animated videos based on the topics that would help students to be more attentive.

##### **NUKUFETAU (TUTASI PRIMARY SCHOOL)**

- Fortunate to have presenters to present topics that were relevant to coastal resources and ways to manage it when children grow up.

##### **VAITUPU (TOLISE PRIMARY SCHOOL & MOTUFOUA SECONDARY SCHOOL)**

- Found the topics useful for the students to understand about their coastal marine resources.

##### 4.6.2 OI DC Refresher Training

A refresher training was made to refresh the practical of Creel Survey and ways to approach to Fishermen and/or locale(s). From that refresher, consultation was made to understand the issues that the data collector faced when doing his/her creel survey, liaising with the kaupule and/or report submission. Here are the issues and/or comments that the Data Collector faced.

##### **NUI**

- Wanted to have weighing scale and a portable printer
- Had issues on who was supposed to sign the fortnightly report before submitting the report.
- Communication challenges with the kaupule.

##### **NUKUFETAU**

- Creel Datasheet to be reviewed – some of the contents in the datasheet was deemed to be sensitive for fishers.

- Consider in creating the App that would link to the Fisheries MIS
- The Data Collector faced some issues with the fishers that refused to be surveyed.

## VAITUPU

- Wanted to know the roles and responsibilities of a Community Fisheries Officer

### 4.7 Post-Harvest Training

The training was designed to support a sustainable development for small scale fisheries for livelihoods, food security and healthier diets. The Operation and Development unit was responsible for the organizing, planning and coordinating Post-Harvest Training to these 3 island CFC. PROP (Pacific Regional organization Project) provided immense support in funding training expenses for this training.

#### Participant

Table below showed the number of men and women participated in the training activities from these 3 islands CFC.

**TABLE 01: NUMBER OF PARTICIPANT FROM CFC (NUI, NUKUFETAU & VAITUPU)**

Island	Number of Female	Number of Male	Grand Total
Nui	1	3	4
Nukufetau	1	6	7
Vaitupu	0	7	7
<b>Grand Total</b>	<b>2</b>	<b>16</b>	<b>18</b>

#### Post-Harvest Training and Activities:

##### Fish Handling and Processing

Presentation briefly provided an overview of the Section activities to give a clear ideas to the participant on the important of the section to fishermen and each island CFC. And followed by a presentation on fish handling; the following is a short summary of the presentation content;

- ✓ What is fish spoilage
- ✓ What is the cause of fish spoilage
- ✓ Why is it important to handle fish properly
- ✓ Ways to preserve fish to maintain good quality of fish

##### Fish Preservation

The second presentation provided a refresher for CFC staff on the idea and concepts of fish preservation. The workshop training provided them with an idea of preserving our food. And also discussed on why it is important to preserve our fish as summarized below;

- To maintain quality of fish (appearance, texture, flavor and nutritive value)
- To Protect food safety
- To reduced losses between harvest and consumption

- Introduced a trend of domestic trading.

Each CFC staff showed their interest and understand the different ways we can use to handle and preserve fish. And lastly, they understand the important as to why we need to handle fish properly and preserved them.

### **Practical Session**

The practical session on each island CFC focused on refreshing each CFC staff on the following;

- How to handle fish properly
- How to process fish and
- Understand different preservation method.

### **Practical session**



**Figure 1: CFC Nui training**

**Figure 2: CFC Nukufetau training**   **Figure 3: CFC Vaitupu training**

These pictures demonstrated the practical session in Nui CFC, Nukufetau CFC and Vaitupu CFC. The training focused only on CFC to provide and build their capacities on fish handling and processing. The training will provided them with good skills and knowledge on how to make use of our marine resources and possibly introduced a trend of trading in both domestic and international. This training will help each island communities in improving food security, economic growth and opportunities for employment for both young men and women.

### **Achievement and Outcome of the training**

Each CFC training workshop was concluded with a recap from day 1 to day 3 and the important of hygienic in the workplace. Each participants was pleased with the training provided and provided positive feed backs as followed;

- ❖ Each participants acknowledge of receiving new information on the important of handling fish and also different techniques ingredients used for preservation.
- ❖ Each of them able to produced healthy dish products and understand the impact of hygienic in terms of fish handling and processing,
- ❖ The training provided with them skills and knowledge and increased their understanding ways to handle and process fish properly,
- ❖ The training also encourage them to produce fish product to make use of our marine resources which introduce a trend of domestic trading in both domestic and international,

- ❖ Lastly, participants acknowledge that, they fully understand different preservation methods of preserving fish and also get to understand the important of those ingredients used in the preservation stage.

#### 4.8 Sea Safety Training

This report will highlighted the inspection results from each island (Nui, Nukufetau and Vaitupu) in terms of their safety at sea. The training which included the following;

1. Refresher training on the usage of each gears and;
2. Inspection of the status of each Grab Bag;

Sea safety training was started off with a refresher training on how each fishers used single gears in the Grab Bag. A total number of 16 bag was donated to each island by the department and its development partners (NAPA II). Grab Bag inspection results were as follow below;

#### Grab Bag Inspection Results

Island Name	Grab Bag Total	Status of Gears /Grab Bags
Nui Island	<ul style="list-style-type: none"> <li>▪ 16 bags donated</li> <li>▪ 5 bags turn up</li> <li>▪ 11 bags did not turn up for the refresher and inspection</li> </ul>	5 PLB Batteries EXPIRE 1 Strobe light damage 1 VHF Damage 1 Laser flare lost
Nukufetau Island	<ul style="list-style-type: none"> <li>▪ 16 bag donated</li> <li>▪ 5 Bags funded by KPL</li> <li>▪ 19 bags turned up</li> <li>▪ 2 bag did not turn up</li> <li>▪ Total Bag = 21</li> </ul>	15 PLB Batteries EXPIRE Strobe light – 3 lost, 5 damage & 2 broken Medical kit – 2 lost Laser flare – 2 damage & 1 broken VHF – 1 lost, 4 damage & 7 broken GPS – 2 lost, 7 damage & 3 broken
Vaitupu Island	<ul style="list-style-type: none"> <li>▪ 16 bags donated</li> <li>▪ 11 bag turn up</li> <li>▪ 5 bag did not turn up</li> </ul>	PLB – 1 Damage, 1 Lost, 1 Broken & ALL 11 PLB Batteries EXPIRE. Strobe Light – 2 Damage, 1 Lost, 1 Broken Medical Kit – All Expire Mirror – 1 Damage, 3 Broken Laser flare – 1 Lost Streamer – 1 Lost VHF – 4 Damage, 7 Broken (Aerial antenna) Sea Anchor – 1 Broken Map Compass – 1 Lost Blanket – 1 Damage, 1 Lost E bag – 1 Damage, 1 Lost GPS – 3 Damage, 2 Broken

*Table 02: Grab Bag Inspection result*

The table above showed the inspection results of these island (Nui, Nukufetau and Vaitupu). The inspections also found out that, some of the gears in the Grab Bags needed to be replace to ensure gears were all safe to use in any fishing incidents. The report also found out that,

handing over of Grab Bag to active fishermen caused the missing and loss of gears in any Grab Bags. It is highly recommended to work together the Fishermen association and the Kaupule in the management, monitoring on the wisely used of the Grab Bag.

#### 4.9 FAD's Monitoring and Inspection

Vaitupu FADs deployed in the year 2017 around the 10<sup>th</sup> of June with FADs coordinate of (**Latitude: 07°29.053'S / Longitude: 178°39.847'E**). On the 4<sup>th</sup> of April 2022 an inspections to the FAD was carried out to inspect the status of the FAD. There were 4 officers of the TFD which included 3 officers from the Coastal division and 1 officer from Operation & Development division. The team inspected the main line of the FADs and the result turn out that the FADs was still in good condition. Lastly, the team aggregated the FADs with coconut leaves. This, will allowed small fish to protect themselves under those coconut leaves, which attracted big fish into the FAD.



Figure 4: VTP FAD inspection & maintenance

#### 5.0 Recommendations

There were some recommendations and points raised from the consultation (Kaupule and Community) on what they expect the team to raise it up with the head of section and/or senior administrators.

Also, the challenges that the team faced during the trip to the central and ways to solve the challenges in the upcoming trips.

Here are the points raised from the consultations in the Central islands:

##### NUI

- The community were concerned on the implementation phase of the management plan
  - If a back-up plan could be made that would relate to the strategies mentioned in the implementation and monitoring plan.
- The kaupule raised some points on:
  - Possibility of deploying FADs in Nui by this year
  - Study on Brown Algae (*Sargassum sp.*) in certain areas/spot in Nui and possibility of fish getting *Gambierdiscus toxicus*.
  - Ways to recover the sea cucumber species' and Panea species population

##### NUKUFETAU

- The community were hoping to get the management plan get implemented before the change of kaupule members.
  - Possibility of re-drafting the entire management plan.

- The kaupule raised some points on:
  - Clarification of the Grab bags handling
  - The effectiveness of LMMA and its contribution to the coastal fisheries resources

#### VAITUPU

- The community advised the team to ensure that the plan gets implemented to solve the sediment issue in the Vaitupu Lagoon.
- The community added on the concern about the developing of the Coastal Fisheries management Plan and which specific areas does the plan cover when looking at Coastal Fisheries.
- The Kaupule raised some points:
  - Requesting assistance for freezers for catch storage
  - Requesting assistance for a rug-like (strong grip) to prevent boats from slipping

Here are the points that the team faced during the metronome:

- Not enough days to get the activities done; most of the work was rushed
  - Extension of days would be needed in order to get the work done properly and get the team members enough rest for the upcoming activities.
- Laptops needed for the Fisheries Officers to type the activities done from the consultation (Developing of the Coastal Fisheries Management Plan)
- Need training for new appointed Data Collectors.
- The three islands have been receiving LMMA information during metronome trips. The island community have lived and seen the benefit of having a LMMA.
  - However, metronomes trips offers only 1 trip to a particular island per year and there is still a need of awareness program regarding LMMA related information.
  - It is highly recommended the use of other awareness methods such as posters and radio program to advocate the purpose and benefits of having an LMMA.
  - Surveys should be done to monitor the decreasing of coastal marine resources.

## 6.0 Appendix

### 6.1 Seafood Poisoning Report Form



## SPC Seafood Poisoning Report Form

This is an electronic form. Please fill the fields or check the boxes using your keyboard and mouse. Text fields will expand to accommodate any amount of text, so do not worry of the space for your answer seems small.

### Report Form

Details of person filling in report form	
Name	Job/Position
Contact Address	
Date	Signature

Poisoned person's details		
Name	Sex (M/F)	Age (yrs.)
Address		

Details of the seafood that caused the poisoning (tick all that apply)				
Type of food	Where caught	How preserved	What eaten	How eaten
Fish <input type="checkbox"/>	River <input type="checkbox"/>	Fresh, no ice <input type="checkbox"/>	Head <input type="checkbox"/>	Raw <input type="checkbox"/>
Crab <input type="checkbox"/>	Mangrove <input type="checkbox"/>	Fresh, iced <input type="checkbox"/>	Flesh <input type="checkbox"/>	Marinated <input type="checkbox"/>
Lobster <input type="checkbox"/>	Beach <input type="checkbox"/>	Frozen <input type="checkbox"/>	Skin <input type="checkbox"/>	Cooked <input type="checkbox"/>
Other crustacean <input type="checkbox"/>	Patch reef <input type="checkbox"/>	Salted <input type="checkbox"/>	Liver <input type="checkbox"/>	
Gastropod <input type="checkbox"/>	Lagoon <input type="checkbox"/>	Dried <input type="checkbox"/>	Roe <input type="checkbox"/>	<b>How many others:</b>
Bivalve <input type="checkbox"/>	Outer reef <input type="checkbox"/>	Smoked <input type="checkbox"/>	Other <input type="checkbox"/>	Ate this meal?
	Ocean <input type="checkbox"/>	Pickled <input type="checkbox"/>	Specify:	Felt sick?
Other mollusc <input type="checkbox"/>	Other <input type="checkbox"/>	Other <input type="checkbox"/>	Specify:	Were admitted to hospital?
Specify:	Specify:	Specify:	Specify:	

Unknown <input type="checkbox"/>	Unknown <input type="checkbox"/>	Unknown <input type="checkbox"/>	Unknown <input type="checkbox"/>	Unknown <input type="checkbox"/>
What is the local name of the seafood?				
What is the English name of the seafood?				
Name of vendor or restaurant (if bought)				
Name of the place it was caught (if known)				
When was the food eaten?	Date:	Time:		
When did you first feel sick?	Date:	Time:		

**Symptoms (tick all that apply)**

Burning or pain when touching cold water <input type="checkbox"/>	Pin pricking sensation on touching water <input type="checkbox"/>	
Tingling or numbness <input type="checkbox"/>	Strange taste in mouth <input type="checkbox"/>	
Difficulty or pain urinating <input type="checkbox"/>	Skin itching or red <input type="checkbox"/>	
Difficulty breathing <input type="checkbox"/>	Excessive salivation <input type="checkbox"/>	Fever / chills <input type="checkbox"/>
Difficulty walking <input type="checkbox"/>	Excessive sweating <input type="checkbox"/>	Headache <input type="checkbox"/>
Difficulty talking <input type="checkbox"/>	Diarrhoea <input type="checkbox"/>	Joint aches <input type="checkbox"/>
Eye irritation <input type="checkbox"/>	Vomiting <input type="checkbox"/>	Muscle cramps <input type="checkbox"/>
Others:		

**History**

Have you had seafood poisoning before?	Yes <input type="checkbox"/>   No <input type="checkbox"/>			
How many times?				
Details	When?	Type seafood	Hospital?	How long to recover?
Case 1			Yes <input type="checkbox"/>   No <input type="checkbox"/>	
Case 2			Yes <input type="checkbox"/>   No <input type="checkbox"/>	
Case 3			Yes <input type="checkbox"/>   No <input type="checkbox"/>	
Case 4			Yes <input type="checkbox"/>   No <input type="checkbox"/>	
Case 5			Yes <input type="checkbox"/>   No <input type="checkbox"/>	

Case 6			Yes <input type="checkbox"/>   No <input type="checkbox"/>	
Anything you remember about past poisoning?				

<b>Medical data</b>		
Pulse:	Blood pressure:     /	Pupils:

<b>In case of death</b>
Date of death:
Autopsy findings:
Other information:

--

## Local Knowledge and Background Data

Survey Questionnaire No. \_\_\_\_\_/\_\_\_\_\_

Details of person filling out this form	
Name:	Job/Position:
Contact Address:	
Date:	Signature:
Details of the person interviewed (optional)	
Name:	Sex (M/F): Male <input type="checkbox"/>   Female <input type="checkbox"/>
Age (years):	Ethnic Group:

Questionnaire (tick the boxes where appropriate or fill in the blank spaces)	
1. Are you aware of any previous cases of food poisoning from seafood products among your family and friends?	Yes <input type="checkbox"/>   No <input type="checkbox"/>
2. If so, could you give a rough estimate of the number of such cases of food poisoning?	
Yes <input type="checkbox"/>   No <input type="checkbox"/>	If yes, how many?
3. Have there been periods or years in which the number of cases has been higher?	
Yes <input type="checkbox"/>   No <input type="checkbox"/>	If yes, when?
How would you explain this?	
4. What are the most frequent symptoms of the people who have such food poisoning?	

5. Which seafood products were supposed to have caused this seafood poisoning?	
Fish <input type="checkbox"/>	What type of fish?
Other <input type="checkbox"/>	What type of seafood?
Don't know <input type="checkbox"/>	
6. Where are the toxic seafood products most often caught?	
Ocean <input type="checkbox"/>   Lagoon <input type="checkbox"/>   Others <input type="checkbox"/> Specify:	

Please return this form to: The Tuvalu Fisheries Department. Thank you.



**SPC INVERTEBRATE SURVEYS**  
**MANTA TOW - if found pls return to: BP D5 98848 Noumea Cedex New Caledonia**

				DATE	Pg
	WPT START	DISTANCE	WPT FINISH	SPEED	TIME START: MAPS & NOTES      TIME FINISH:
1					
2					
3					
4					
5					
6					

	WPT START	DISTANCE	WPT FINISH	SPEED	TIME START: MAPS & NOTES      TIME FINISH:
1					
2					
3					
4					
5					
6					

	WPT START	DISTANCE	WPT FINISH	SPEED	TIME START: MAPS & NOTES      TIME FINISH:
1					
2					
3					
4					
5					
6					



## 6.4 Minutes

### Minutes

Date: 17/03/2022

Time: 1411

Venue: Nui Kaupule Office – Conference Room

Event: Kaupule Consultation – Opening

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Activities:

1411

- Consultation commenced with an opening prayer

1413

- Pulekaupule welcomed the team and passed the floor to Maani
- Maani thanked the Kaupule for welcoming the team and mentioned the purpose for the fisheries team in coming to Nui.
- He briefly introduced the team members in the metro team.
- He outlined the tentative program for a week in Nui. He laid out the program and asked permission if the team is allowed to conduct the activities in a week.
  - He mentioned that the Kaupule are free to give their thoughts about the program to amend the program.
    - He mentioned that one activity have achieved which was the Kaupule consultation.
  - He reminded the Kaupule that if there were some activities that need to be changed according to the community's availability.
  - He apologized for the late arrival due to the change in boat schedule to travel to Nui.
  - He mentioned on today's program – CFP Case Update and Boa & Canoe survey to be done today.
  - He mentioned on the Community Consultation based on the Fisheries Management Plan.
    - He described the purpose of this consultation in looking at the Fisheries related issues in Nui.
    - He mentioned on the previous management plan made by the R2R.
      - He mentioned that the activity done last year, have already been processed in getting the equipment needed.
    - He mentioned that that management plan focusses solely on Fisheries only.
      - He mentioned the time on the day of the community consultation
  - He talked on the LMMA Household survey that will be conducted after the community consultation and its duration.
  - He mentioned on the Post-Harvest activities would be conducted by the O&D section.
  - He mentioned that on the last day, an awareness program would be conducted in school and the reporting back of the activities done in a week.

- Passed the floor to the Kaupule for their feedbacks.

1426

- Alapati thanked the team for the presentation. He mentioned on the ISP (**Ana Pomaneka II**) to look at the issues.
- Maselusi was satisfied with the tentative program
- Pulekaupule was satisfied to have the fisheries management plan to be conducted as it was mentioned in the Nui ISP.
  - Matapua reiterated the community consultation activity.
  - Pulekaupule mentioned that he was willing to assist other activities mentioned in the program.
- Maani thanked the Kaupule for their feedbacks on the program.
- Neli mentioned on the FADs program. He apologized that the materials and equipment were not prepared for Nui. He mentioned that in a few months then there will be equipment ready.
- Maani asked if there was a driver available to assist the team on Manta Tow.
  - Pulekaupule answered that they would arrange a driver for the boat.
- Pulekaupule asked on the manta tow.
  - Maani answered that that survey is based on a visual counts of BDM while the boat is still running.
- Iakoba asked on the transport assistance.
  - The Pulekaupule would help get 2 more motorcycles for the team.

1439

- Pulekaupule thanked the team and Maani for their presentation

1440

- Consultation concluded.

Date: 21/03/2022

Time: 0926

Event: Community Consultation – Day 2

Venue: Manatua Mai Au

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Activities

0926

- The program commenced for day 2 consultation with an opening prayer
- Maani welcomed the community for coming to Day 2 Consultation and briefly outlined for today's program

- Passed the floor to Matapua

0929

- Matapua opened the presentation in talking about the Agenda for the Consultation Program activity.
  - She briefly mentioned for Day 2 Agenda.
  - She recapped the activities done on Day 1 Consultation Program and the discussions done in Day 1.
- Matapua passed the floor to Lavata on presenting Management Measures.

0934

- Lavata presented on the topic and the motive behind the meaning of “Management Measures”
  - He mentioned on how the management measures existed like by-laws
  - He mentioned that the management measures can be related to other existing laws or policies.
  - He gave an example mentioned in the Marine Resource Act and gave a brief description in the given image.
  - He mentioned the existing plans and strategies.
    - Laid out the existing strategies in the Island Strategic Plan (**Ana Pomaneka Nui II**)
    - Mentioned the existing strategies that were found in “Te Kete” and “Fisheries Department Corporate Plan”.
- Ended his presentation and passed the floor to the community

0944

- Leneuoti asked on what the “Fisheries contribution to socioeconomic development and quality of life increased” means?
  - PL answered that the word “Fisheries” was too broad and at the moment focusing on Coastal Fisheries.
    - Leneuoti commended PL and asked on US Treaty if related to management measures
      - MP answered that
  - A community member asked if the image given was an example or existed measure.
    - LN answered that it was an example image. He gave an example of a management measure in Nukufetau where grouper fishing is banned in a certain months due to spawning season.
  - Kileti asked on the motor maintenance and able to implement
    - LN clarified that it was an example. However, in order to implement
  - Leneuoti asked if there were resources found within 12 NM and also a study made from that given distance or zone. He wanted to know if there are other resources from there that could develop the well-being in the community.

- MP commended on the good question. He mentioned that the team focused on the Coral Reef ecosystem to shore. Also within that zone, there's a deep sea minerals found within that zone (beyond the reef passage)
  - Sapakuka wanted to know about the FADs and why the FADs keep disappearing within a year. Also why was there any activities made in deploying the FADs.
    - NS answered
      - Sapakuka reiterated that point and still unclear about the disappearance about the FADs. He asked if there was any policies based on FADs.
        - NS answered that at the moment he was working on developing the policy with the Legal Officer.
  - Aitopele asked about the FADs if it was possible to develop the FAD design and demarcate. He mentioned that in the past the FAD was found in Meang and helped fishers in terms of sea safety. He wanted to know if it was possible to get it done quickly.
    - NS answered that the Fisheries could assist in FAD development and corporate with the given objectives in the ISP.
- Discussion ended.
- Maani explained the activities done on Day 1 would link to Day 2.

1005

- MF briefed the activities and questions for today.
  - Explained the activities on recap done in Day 1
  - Explained the questions under Rules and enforcement
- MF encouraged the community not to be too shy to join in the discussion
- MF passed the floor to MP
- MP gave a 5 minute break to community before commencing the activities.

1012

- Group discussion commenced

1200

- Group discussion ended
- Fishermen Association presented first
  - Answered the questions under rules
    - He laid out the existing rules like prohibit spearfishing, dive for turtle, take coconut crabs and the prohibit the use of net fishing (under 1 finger)
    - He added that for fishing for flyingfish need to go in groups
    - He mentioned that the rules are beneficial and list down the benefits of fishing method. He also added that the benefits have impacted the whole Nui community and its rules existed.
    - He mentioned that all groups benefitted it.

- He mentioned that all the rules that still practiced and existed that the community wanted to keep. He concurred the benefits and impacts in Nui community.
  - Answered questions under Enforcement
    - Some rules were broken like fishing for tuna and barracuda while the sun rises using trolling method.
    - He mentioned that the rules needed to be reviewed and amended, and awareness as way to be enforced
    - People who were involved in the enforcement was the whole community
  - PL commented on the presentation and apologized for the abrupt changes.
  - Leneuoti commented on the Trolling issue and wanted to be abolished in the By-law.
  - Solomona added to have rules based on transport vessels to ban fishing in Nui.
- Kaupule group presented
  - He mentioned on the existing rules like Fish in group when fishing flyingfish, prohibit trolling, prohibit spearfishing, prohibit net fishing (one finger size) and netfishing in the lagoon, prohibit diving for fishing turtles, prohibit scoopnet fishing in the lagoon.
  - He mentioned the benefits of those established rules. He mentioned rules that can be enforced like:
  - He mentioned on the rules that have been breached like:
    - Trolling – the by-laws were established but people still breached it
  - Rules that can be enforced like awareness programs and falekaupule to amend and review the current by-laws
  - Mentioned on people who were involved in enforcing those rules were Kaupule, Falekaupule and the Youth Group (Malosiga).
- Elders' group presented
  - He mentioned the rules mentioned by the previous presenter.
  - He talked on the rules that were broken and its reasons
- Women's group presented
  - Similar content to the previous presentation.
  - She mentioned that to establish a fisheries committee that would help with the Kaupule in looking into the resources.
- Youth's group presented
  - Mentioned the similar rules and questions from the previous presenter
  - Discussed on the rules that were broken and mentioned on
    - Mentioned ways on rules that could be enforced and people involved.

1255

- Matapua gave a recap for today's activity and outlined for tomorrow's agenda.
- Maani thanked the community for attending today's program.
- Passed the floor to the Kaupule for any comments.
- Kaupule member thanked the team for today's community consultation and the activities laid out.
- Gave a closing prayer

1302

- Day 2 Community Consultation concluded

Date: 22/3/22

Time: 0918

Venue: Manatua Mai Au

Event: Nui Community Consultation – Day 3

---

#### Activity

0918

- Program commenced with an opening prayer
- Maani welcomed the community for attending the last day of the consultation program.
  - Maani outlined agenda for today's program.

0923

- Matapua presented on the recap of the activities done on Day 2 program
  - Brief summary on Management Measures and existing rules or policies
  - Briefly summarise the Day 1 and Day 2 activity.

0933

- Iakoba presented on the Implementation and Monitoring Plan
  - He introduced on what is the Implementation Plan
  - He discussed on roles and what they play
  - He discussed on the actions/strategies
  - He discussed on the funding and how it plays in the implementation plan and also the challenges that implementation plan would have.
  - He briefly explained on what the Monitoring, Evaluation and Learning. He explained each term briefly
  - He explained the format of the monitoring plan
  - Presentation ended and discussion commenced

0945

- Leneuoti asked if there was a way if we can make some adjustments on the evaluation.
  - MF agreed with Leneuoti point that there should be a back-up plan in order to adjustment during the implementation phase. She mentioned that TFD would look into it.
- MP agreed with Leneuoti's point and would raise it up in the TFD.
  - Leneuoti commented that it should be an adjustment during the implementation phase.
- Pulekaupule commented that if there was a back plan during the implementation phase so the community could adjust the implementation plan.

- MF briefly explained on the discussion
- Groups had a 5 minute break then went for group breakout.

1243

- Group presentation commenced
- Fishermen Association presented first
  - Solomona presented on the implementation plan and actions that need to be implemented
  - He talked on the strategies under the objective (knowing the improvement of the coastal fishery in Nui.)
  - He presented on the monitoring plan on ways the implementation plan was actually active and on the right track. Areas to be surveyed and the risk expectations on the plan.
- Kaupule group presentation
  - Alapati presented on the on the implementation plan.
    - Objective 1 – Faite se aquaculture
      - He discussed on the steps of what it needed to be done which was a feasibility study in the Nui Lagoon for making a fish pond. He explained the potential risk that would delay the activity which was Covid-19.
    - Objective 2 – Establish size limit and spawning season of reef fishes
      - He mentioned that developing a study specifically for Nui Coastal Fishery based on size limit and spawning seasonality. He mentioned key players that would help in getting the strategy to achieve. He talked on the risk that the small fish catch is prohibited.
    - Objective 3 – Ensure the continuation of CFMP
      - He mentioned that the review and development is vital for making the plan active and strategize the next plan. He mentioned that there's no fund to make the other strategies to work.
  - He presented on the monitoring plan
    - Objective 1
      - He mentioned that awareness program is vital for the community. He mentioned that the area surveyed needed.
    - Objective 2
      - He mentioned that the awareness program is also needed for the community to be aware of the size limit and spawning season. Area needed to survey was to survey the whole island.
    - Objective 3
      - He mentioned on the about the CFMP development and need to have consultation. They monitor through workshop, awareness and quarterly visit from the Fisheries.
- Elders' group presented
  - Tili presented on the implementation plan
    - Objective 1
      - He talked on the risk that funding, covid-19 could delay the progress.

- Objective 2
      - He talked on the risk of getting funds that would hinder the progression of the planned strategy. He mentioned that the timeline
  - Tili presented on the monitoring plan
    - Objective 1
      - He mentioned that the indicator would be the consultation and/or meeting with the community stakeholders. He mentioned that the method of monitoring was the minutes from the meetings. He mentioned that reporting would report back to the Kaupule.
    - Objective 2
      - He mentioned that the indicators would be meetings and method of monitoring would be minutes and report.
  - Women association representative presented the implementation plan
    - Objective 1
      - She mentioned the capacity building training on traditional fishing technique for your girls and women to develop their traditional knowledge and skills on fishing method (Kae/Lao).
    - Objective 2
      - She mentioned to have a capacity building training for handicrafts using the Misa and Pule. She mentioned that that the donor would help fund their training on handicraft skills.
    - Objective 3
      - She mentioned that to have developed a training on business based coastal fishery and ways to improve the livelihoods in Nui. It would help the whole community to be well supported with their own families.
  - She presented the monitoring plan
    - Objective 1
      - She mentioned to have a training workshop based on fishing method for women by local fisherwomen in Nui.
    - Objective 2
      - She mentioned to have a training based on handicrafts using the Misa and Pule for women in Nui. She mentioned that that plan would assist the livelihoods of Nui community and the wellbeing.
  - Youth group's presented the implementation plan
    - Objective 1
      - She mentioned that the strengthening of the By-Laws on coastal fishery needed encouragement to be more active and serious with the by-law
    - Objective 2
  - She presented on the monitoring plan
    - Objective 1
      - She mentioned to have awareness based on what can be allowed and how it be strategise.

- MF made a recap for the final day and made a recap on the process for making plan to be more official.
- MP thanked the community for the program for 3 days and reiterated the process making the plan to be recognized.

1357

- The Pule Fenua for Nui thanked the team for having this program and was impressed with the commitment from community and the team for making this plan to happen and wished that it would be implemented soon.
- The elder thanked the team for the program. He mentioned that the closing ceremony for the team would commenced tonight for the team's hardwork for 3 days program.
- Alapati made a closing statement to the community about the consultation program. He hoped that that plan would come into effect once it becomes reviewed and implemented. He wished the team all the best in work.
- Closing prayer commenced.

1409

- Program concluded with the Group photo.

**Date:** 23/03/2022

**Time:**

**Venue:** Nui Kaupule Office – Conference Room

**Event:** Kaupule Consultation - Closing

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### Activities

1435

- Program commenced with an opening prayer
  - Apologised on behalf of the Pulekaupule for not present in the consultation.
- Maani brief on the agenda for the Kaupule Consultation by giving the report based on the activities done.

1441

- He outline the activities done in Nui
  - He talked on the community consultation that was done in 3 days.
    - He mentioned about the observations made in the community consultation. He also mentioned on the next step of developing the CFMP and find a suitable date for reviewing the draft CFMP.
  - He talked on the results from the Boat & Canoe survey. He talked on the BDM counts within the Nui Lagoon.

- He mentioned an issue during the survey which was the lagoon was too turbid for the surveyors to count.
- He mentioned the number of BDM species and the parameters based on distance and depth.
- He talked on the CFP cases in Nui. He said that there have not been any one recent case for the last 10 years or so.
- He talked on the LMMA Household Survey done in Nui and it's based on the effectiveness.
- He talked on the awareness program done and the topics covered and classes involved in the program

1456

- Pafini talked on the Awareness Program done topics covered like:
  - Creel
  - Sea Vessel Sighting
- He talked about the Refresher Training and Inspection done for Nui Fishermen.
  - He mentioned sea safety equipment that were in the good and bad condition and how the O&D would help to get the equipment.
- He talked on the Post-Harvest Training done for CFC staff
- He mentioned that TFD was willing to get the sea safety

1503

- Maani thanked the KPL for attending the consultation.
- Passed the floor to the KPL for discussion or queries.

1504

- Alapati commented on the BDM and Panea. He asked if there was a way to recover the BDM and Panea population in Nui Lagoon.
  - He wondered about the Lollyfish including in the results
    - Maani answered that the BDM Survey was to count all BDM that the observer was able to see and record. He also mentioned that there was a way of doing a survey in Panea and BDM.
    - Paeniu added that that method was able to count any marine invertebrates. He mentioned that Nui was the last island to do conduct the survey.
- Aitopele asked on the VHF location and asked if it was possible to relocate and provide financial assistance
  - Pafini answered on what happened in the setting up of VHF and also was unaware about that issue. He mentioned that there's another type of VHF (Landbased VHF)
  - Aitopele reiterated that that issue was the problem for years and asked if TFD can do it or not. So he could finalise the budget.
    - Pafini clarified that there was a section that look into that and it need a proposal in order to help with the issue.

- A Kaupule member urged Pafini to look into that issue
  - Alapati mentioned that someone agreed to do it but they didn't make any actions on that issue.
    - Pafini clarified that there was a communication breakdown between the Kaupule and the fisheries department. He mentioned that that issue would raise it up. However, a letter of Proof or proposal would be able to work on that issue.
  - Maselusi mentioned that he would take that into consideration about the VHF issue
- Maselusi asked about the differences of the LMMA and non-LMMA based on the BDM count.
  - Paeniu answered that there was an abundance of BDM in the areas of Terikiai.
- Aitopele asked about the survey done on the seaweed in Lagoon. Also he mentioned on how it would contribute to CFP.
  - Paeniu answered on what he witnessed. He mentioned that the seaweed (Sargassum) was an invasive species and also it would grow rapidly in any conditions.
  - Alapati agreed to Paeniu's point and also he mentioned that he witnessed the seaweed growth.
  - A Kaupule member mentioned on the seaweed and where it appeared in some parts of Nui's coastal areas.
    - Maani commented on the point "Is there a way to eradicate seaweed completely?" He mentioned that it's hard to determine as it grows rapidly in any conditions.
    - Paeniu recalled on the survey done in 2011 where they focus in seaweed and how it would be helpful. He mentioned the symptoms of seaweed having GTOX like itching when bathing in the sea and contributes ciguatoxin in fish that contribute to CFP.
    - Kaupule thinks that that seaweed need to be extracted out.
    - Aitopele asked on what "lailai" means that contributes to CTX?
      - Paeniu answered that he was referring to sewage effluent that it was found from bottomless septic tank.
  - Maselusi asked on the lollyfish and if they play an important role.
    - Maani answered that sea cucumber plays an important role in filtering sediments to become finer and also helps with the aeration.

1539

- The Kaupule member thanked the fisheries team for activities done in Nui. He mentioned that he hoped that the plan could be ready by this year to get the activities implemented.

1540

Kaupule consultation concluded

Date: 24/03/2022

Time: 1418

Venue: Kaupule Conference Room - Nukufetau

Event: Kaupule Consultation (Opening)

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#### Activities

1418

- Kaupule consultation commenced with an opening prayer
- Suetusi welcomed the team for arriving in Nukufetau safely
- Maani gave the purpose of the team's mission in Nukufetau.
  - He gave a brief intro on the team

1422

- MP explained the program for a week in Nukufetau and displayed the tentative program.
  - He mentioned that the Kaupule can make some changes in the program if they felt that some of the program might clash with their activity.
  - He explained the program for each day and what it entails.
    - He talked on the Community Consultation based on the developing of the Coastal Fisheries Management Plan. He mentioned that the participants ranges from Kaupule, Elders, Tamanuku, Fishermen Association and Women Association.
    - He mentioned about the surveys that would be conducted soon like the Boat & Canoe Survey, CFP, and LMMA Household Survey.
    - He mentioned about the program from O&D Section based on Post-Harvest Training and sea Safety awareness & Grab Bag Inspection.
- Suetusi thanked Maani for the briefing of the program for the week.
  - He mentioned that on Monday the community would be busy on that day.
- Sopoaga thanked Maani and the team
  - He mentioned that the next day was the meeting for elders. He asked if there's a possibility after lunch. Also, he mentioned the duration of the consultation
    - MP answered that the duration of the consultation was 3 hours and mentioned on the seating allowance and its rate.
    - MF added that that plan was vital for developing the plan and also mentioned that she was concerned about the Elders staying long.
      - Sopoaga mentioned that he would liaise with the elders based on the program time.
      - He mentioned that on Monday it might be too busy.
    - MP reiterated that the team does not force on the participants to attend the program but to find a suitable time for the community to attend. He asked Sopoaga to liaise with the community on their available time.
      - Sopoaga would inform the community and the number of participants in different groups.

- MF clarified that the team do not want the community to be exhausted if they were busy.
- Sopoaga find the program satisfactory and would liaise with the community target group about the consultation.
- Suetusi found the program to be satisfactory ad would arrange with the community about the consultation.
  - MF requested the Kaupule to inform the community to bring their own refreshments if the consultation took longer.
- MP thanked the Kaupule for giving their thoughts on the program and discussions made.
- Kaupule member thanked the team and asked on the issue about the Island Data Collector. He wanted to know the roles of the Island Data Collector.
  - MF thanked the Kaupule for the question. She mentioned about Fuifui on getting the new job. She mentioned that that officer was vital for getting the data needed and let the fisheries department to analyze the data and report back the community. She mentioned that by the time they transitioned, data was lost or displaced. She apologized the Kaupule for the misunderstanding.
  - The Kaupule mentioned that when he got the position in the Kaupule and asked about the work of the data collector. He said that the data collector was just a volunteer.
- Suetusi thanked MF for clarifying the issue. He mentioned that Lila’s husband was currently working for the waste and he found it confused that the person cannot have 2 jobs from the government post.
- The Kaupule member thanked the team.
  - He mentioned that if there was a post from the government stationed in Nukufetau, he recommended that the fisheries department need to inform the Kaupule to be aware. He was concerned that it would ruined the reputation of the Kaupule.
  - MF thanked the Kaupule and also apologized on the fisheries part and mentioned that she would let the Kaupule aware of that. She would provide the letter as proof.
- Sopoaga agreed with Matapua about the work and also proof needed to let the Kaupule be aware.

1502

- Suetusi thanked for the discussion made between the Kaupule and the fisheries team.
- Program concluded.

**Date:** 25/03/2022

**Time:** 1114

**Venue:** Feagaimoteata (Nukufetau Community Hall)

**Event:** Community Consultation – Day 1 (Development of CFMP)

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### Activities

1114

- Program commenced with an opening prayer
- MP welcomed the community for attending the program

- He explained the purpose of the consultation and its importance on managing coastal fishery in Nukufetau.
  - He briefly explained the team members.
- MP passed the floor to MF

1124

- MF briefly explained the duration of developing the management plan.
  - She briefly explained the Agenda for today's program
  - She introduced the topic of CFMP and its purpose towards the community.
    - She briefly mentioned on the roles between the community and fisheries department.
    - She mentioned on who could be involved in the developing of the Management Plan.
    - She explained on the process of establishing the management plan and its part.
    - She explained on the "Te Kete" and how it links with the fisheries corporate plan and ISP and how it can be achieved by cooperating.
    - She mentioned that that plan would cover for 3 years to find any noticeable changes in the plan towards the coastal fishery.
    - She explained on what's needed in the plan by explaining the table displayed.
    - She briefly discussed on:
      - Context
      - Purpose
      - Scope
      - Goals
      - Objectives (including the SMART method)
- Floor opened for discussion.

1151

- A lady asked if there was a decrease of coastal fishery in Nukufetau and wanted to know about the Fisheries point of view
  - MF answered that there's a various reasons on it. She advised that it could be the changes in the environment or other.
    - She gave an example of coral reef degradation
    - She mentioned that she have not experienced the changes here but would like to
  - She added that the coastal fishery in the past till now have shown huge deterioration and drop of reef fishes.
- Lavesaki asked if there was a team that would survey the coastal areas and also should a survey be made first then made the plan
  - MF explained that that plan would address the issue and would work on it once the plan was implemented.

- Faiaki asked on the Island Data Collector and its data that would show the trend in coastal fishery.
  - MF answered that the IDC was vital for recording the data of catch. Also, she mentioned that there was a lack of data found in Nukufetau so the fisheries was unable to analyse the data.
- 5 minute break commenced.

1205

- Community joined into 5 groups

1401

- Women's group presented
  - She presented the map of Nukufetau. She mentioned the areas where the resources were abundant. She mentioned that everyone in the community fished in the areas in Nukufetau.
  - She mentioned the concerns of marine resources in Nukufetau. She mentioned about the concerns based on the policy, turtle population and.... She mentioned the trends based on the Bigeye Mackrel as it was not that many as before. She mentioned on the Salii and Pule. She added that it was difficult for women to get pule and had to go long distance to find pule.
  - She mentioned the Atule as the main concern and the last to be Pule.
  - She mentioned their goals to have an increase population of Atule, and Pule. She also mentioned to have a policy made by women association to conserve Salii.
  - She mentioned the objectives as:
    - Ensure there is a prohibition of giant clams in place
    - Ensure that there is a training based on giant clams conservation.
  - A lady mentioned that the government ministries should not place in request for gathering seafood for them as they were left with little of their own.

**Date:** 28/03/2022

**Time:** 0926

**Venue:** Feagaimoteata

**Event:** Community Consultation (Day 2)

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**Activities:**

**0926**

- Program commenced with an opening prayer
- Maani passed the floor to MF for a recap presentation

0928

- MF recapped on the activities done on Day 1
- She passed the floor to LN

0931

- LN presented on the management measures and ways that that measures contribute in managing marine resources.
  - He gave an example from the Marine Resource Act based on Management measures

0948

- Nukualofa asked about if there were some laws or policies that no longer becoming active when it comes to coastal fishery management.
  - LN answered that according to the Falekaupule Act, it's the fenua that looks into their own by-laws. He added that some of the laws are related to the main laws in terms of fisheries management.
  - MF added that those measures were done by the Falekaupule.
- Nukualofa commented on those points and wanted to know how
- Teisio commented on the FCA and how that act impacted on the FCA. He mentioned that the By-Law can impact on the islands resources.
- Selupapelu commented on the LMMA and MPA differences and how the act differs between the two.
- MP commented that some of the Acts related to marine resources which were Marine Resource Act and Falekaupule Act. He mentioned that there were moments where the points of coastal fishery tend to clash and unsure who would act on it or whose authorization was it to impose penalties.
- 5 minute break commenced

0953

- Group activity commenced

1112

- Faiaki Teisio presented
  - He mentioned on the rules put in place. He added on the benefits of those rules put into place.
  - He discussed on the Enforcement
    - He mentioned on the rules that were broken in Nukufetau. He mentioned on ways that the rules could be enforced. He mentioned on those who would be involved in enforcing those rules.
- Women's group presented
  - She mentioned on the rules that existed in Nukufetau
    - She mentioned on the restrictions like spearfishing, collecting of coconut crabs.

- She mentioned on the benefits of the rules that were in place.
  - She mentioned on the enforcement of rules
  - A lady mentioned that everyone in the fenua need to be involved in enforcing the rules
  - Selupapelu commended the presentation from the women's group.
  - Sepola thanked the point that Selupapelu have raised. She mentioned that to establish a policy on the LMMA and also to those who keeps fishing for their relatives staying in other islands need to have a specific rate.
    - Selupapelu thanked Sepola for raising the point.
- Tamanuku (youth) group presented
  - Filifiliga mentioned on the rules put in place. She added that the benefits benefitted everyone in the community.
  - She mentioned on the rules that were broken and its reasons.
    - She mentioned on the people who were involved in enforcing the rules.
- Ligo raised a concern about the benefits and how it benefitted the community

Date: 29/03/2022

Time: 0917

Venue: Feagaimoteata

Event: Community Consultation (Day 3)

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#### Activities

0917

- Program commenced with an opening prayer.
- Passed the floor to MP

0919

- MP welcomed the community for the final day of consultation
  - He briefly outlined for today's program
  - Passed the floor to MF

0921

- MF welcomed the community for the final consultation.
  - She recapped the activities done in Day 2 activities
  - She briefly summarized on Management Measures.
    - She reiterated on the context, purpose, scope, goal and objectives.
      - She discussed on those topics that each group have done in Day 1.
- MF passed the floor to II

0931

- Il presented on the Implementation and Monitoring Plan
  - He briefly introduced on what was the Implementation Plan and its purpose.
  - He explained the roles between the Fisheries and the Community in terms of responsibilities when the plan gets implemented.
  - He explained on what actions/strategies meant
  - He explained on the fundings and how it could impact in the plan.
  - He described the implementation plan tabular form and explained its features in the plan.
  - He explained on the monitoring, evaluation and learning.
  - He described the monitoring plan in a tabular form and explained its features.
  - He reiterated on the evaluation and learning.
    - He mentioned that that part comes in once the plan almost finishes its 3-year period.
  - Il concluded his presentation
- MF explained on the discussion for Day 3
  - She explained on the features of the implementation plan and what needs to put in the table.
  - She explained on the features of the monitoring plan and what needs to put in the table.
- MF passed the floor MP

0947

- Floor opened for discussion
  - No one from the audience had any queries based on the presentation.
- Break for 5 minutes

0952

- Groups were broken up for the implementation and monitoring plan activity.

1234

- Women's group presented
  - She presented on the implementation plan
    - She mentioned to have the activity based on the Pule and Atule to be restored. She mentioned on the resources based on the strategy that could assist with the activity.
    - She mentioned on the 2<sup>nd</sup> Objective based on the Salii. She added that there should be a day based on women dedicated to fishing practice. She mentioned that the activity need to be implemented by 2023.
    - She mentioned on the 3<sup>rd</sup> Objective based on using the Pule for handicrafts and use it as a small-scale business. She mentioned that a donor need to be sought in order to fund the women's activity. She mentioned on the risk of that objective that would hinder the activity.

- Suetusi asked on the Salii
  - Ligo answered that women collect Salii as a daily fishing activity.
  - Sepola answered on the roles of women and children play in fishing for Salii whereas men play a role in fishing for Atule.
  - Teisio commented on the business point of view of Salii.
    - Sepola answered that the reason for adding the small scale fishery for women was to ensure that there's improvement of livelihoods and financial stability in the community.
  - Line reiterated on Sepola's point.
- Selupapelu commented on business point.
  - MF explained on what the plan covers. She mentioned that the plan was not fixated on one area but all areas in terms of Economic, Ecological, Social, Biological and Food Security
  - Usugafono commented on the issue raised by women association.
  - Ligo commented on the place that was supposed to be established. However, there were some drawbacks on it on the establishment. She mentioned based on the Salii was focused on fishing practice.
  - Sepola added that under the responsibilities, there should be community workers that could operate on the business.
- She presented on the Monitoring Plan
  - She mentioned on the indicators that showed that the step was progressing. She added that the indicators would be establishing a market for women.
- Iefune asked on the Pule and the tuafale
  - Sepola answered on what the terms meant and mentioned on the areas in Nukufetau.
- Selupapelu asked on the moving of boulders or rocks that were placed in the area filled with Pule.

1303

- Tamanuku presented on the Implementation and Monitoring Plan
  - Filifiliga presented on the Implementation Plan
    - She mentioned on the 1<sup>st</sup> Objective was to establish a committee that focusses on monitoring the By-Laws.
    - She mentioned on the 2<sup>nd</sup> objective based on size limit of fish to be established in Nukufetau.
      - Ligo asked on the allowances
        - Filiga referred to sitting allowance when it comes to consultation.
  - Filiga presented on the Monitoring Plan
    - She explained on the activities that could be monitored and specific
      - Fetau asked on what it meant by "Avaka se iloa..."

- Il answered that it meant by bringing awareness to the community based on the size limit
- MP asked on which areas that they wanted to survey.
  - A youth answered that it was referring to
- Teisio was asking on what committee they meant
  - Filifiliga answered that the committee was referring to a rep from the all groups as part of the committee.
- Ligo asked on what CFO means
  - Filifiliga answered Amoga (CFO)

1321

- Faiaki presented on behalf of fishermen (Implementation and Monitoring Plan)
  - He presented on the implementation Plan
    - He mentioned on the strategies that might solve the Coral Transplanting. He mentioned on the Marine Department to work on strengthening the regional policies on MARPOL. He mentioned on reducing shark population by selling shark fin to the market.
  - He presented on the Monitoring Plan
    - He mentioned on the indicators that would monitor the progress from the strategy been listed.

1346

- Sopoaga presented on behalf of the Kaupule group
  - He presented on the Implementation plans focusing on the objectives of strengthening of existing by-laws, developing an aquaculture farm and improvement of coastal fishery in Nukufetau.
  - He presented on the Monitoring Plans and ways to monitor the progress of the activity in the implementation plan.

1355

- Iefune presented on behalf of the Elder's group
  - He presented on the Implementation Plan and Monitoring plan.

1407

- MP passed the floor to MF
- MF presented on the next of that consultation and what's expected on the management plan.

1416

- MP thanked MF on the next step of the drafting of the management plan.
  - He apologized the community for the discussion for taking too long.

- He thanked the community for the constructive discussion during the 3 day consultation and passed the floor to the community.
  - Ligo thanked the team for the program done and also the knowledge on looking at different groups' perspective. She mentioned that that plan need to be implemented as it helps the whole community in conserving their marine resources.
  - Suetusi thanked the community for attending the consultation and also listening their point of views on the coastal fishery issues. He encourages that the plan need to be implemented quickly before any changes/shuffle of staff commenced.
  - Nukualofa thanked the community for attending the program. He hoped that the plan gets implemented anytime soon before anything happened. Encourages the team to work hard on drafting the management plan and hopes to see the team again soon for the 2<sup>nd</sup> Consultation.

1427

- Program concluded with a closing prayer and group photo.

**Date:** 01/04/2022

**Time:** 0924

**Venue:** Kaupule Office – Conference Room

**Event:** Kaupule Consultation (Closing)

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#### **Activities**

0924

- Program commenced with an opening prayer by Suetusi
- Suetusi passed the floor to MP to present the report

0926

- MP made an opening statement of the team's work done in Nukufetau.
  - He thanked the Kaupule for availing themselves at the busiest time.
  - He introduced the report by summarizing what the team have accomplished
  - He talked on the Community Consultation done during the 3-day event. He added that the goal that was common in all groups was the improvement of coastal fishery within Nukufetau. He mentioned that the fisheries team will find a suitable date to present the draft of the CFMP.
  - He talked on the LMMA Household Survey done in Nukufetau. He mentioned that the purpose of that survey was to determine the community's knowledge and understanding of what the LMMA was and its effectiveness.
  - He talked on the Boat & Canoe survey done and the number of boats that were measured. He mentioned on the CFP cases that that have been no recent cases of CFP in Nukufetau.

- He talked on the School Awareness on which class was involved and the topics covered.
- Pafini reported the activities done based on Post-Harvest
  - He mentioned on the purpose of the activities and how it contributes to the community. He mentioned that there were some people in CFC were wondering on the use of certain ingredients.
- He talked on the Sea Safety Awareness
  - He mentioned that the topics covered were: Creel, Vessel Sighting and Grab Bag (Refresher and Inspection).
    - He mentioned on the equipment that were inspected. Gave a brief report on each equipment that were inspected (either damaged, misplaced or good)
- Floor opened for discussion.

0948

- Selupapelu commented on the Grab Bag inspection and sea safety awareness. He mentioned that the program was very informative and interesting as fishermen were aware on the process of getting the Grab Bag and who was involved in handling the Grab Bag.
  - Pafini thanked him and raised an issue that the Grab Bag MOU was clear; mentioned that the Grab Bag should be taken cared by the Fishermen Association. He mentioned on the roles difference between CFC, Fishermen Association and Kaupule.
  - Pafini added on how Grab Bag should be done first before distributing to fishers.
  - Selupapelu commented on the Grab bag and the process of it.
  - Pafini mentioned on the process of how post-harvest work.
- Penima commented on the CFC and mentioned his experience in CFC as an engineer in the past. He mentioned on the process where Brine Solution was used as a preservative.
- Suetusi asked on the Boat & Canoe survey based on the Conditions. (Comparing 2021 to 2022)
  - MF answered that she would look into it in the MIS Database and would report back once the team finished the mission in Central.
- Penima commented on the Grab Bag and would look into it carefully.
- Kaino mentioned on the Grab Bag MOU. He remembered that the MOU was for Fishermen Association, Kaupule and the Fisheries. He mentioned to ensure that stakeholders involved in the MOU need to be reminded about the roles of handling Grab Bags.
- Selupapelu mentioned on the LMMA and its effectiveness.
  - MF commented that the LMMA can be effective if the by-laws were more effective and active. She gave an example from Nui on their management plan. She mentioned that the penalties in Nukufetau was through community service (Feeding the whole island); too lenient that the people become careless. She said that she would sought advice from the Fisheries Legal Officer and how it can be effective in managing the marine resource.
- Kaino mentioned that there have been similar errands done in the past.
  - MF answered that she would look into it.
- Sopoaga mentioned that once they would get the draft copy of plan.

- MF added that the proper channel of getting the draft was to go through the DoF or the DLG.

1023

- Program concluded

**Date:** 02/04/2022

**Time:** 0917

**Venue:** Kaupule Conference Room (Old Tolise Primary School Classroom)

**Event:** Kaupule Consultation (Opening)

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Activities

0917

- Program commenced with a welcoming speech and opening prayer from Aleli.
- Kaupule passed the floor to MP

0922

- MP thanked the Kaupule for welcoming the team and allowing the team for a consultation on that busy day.
- He displayed the Tentative Program for VTP
  - He explained the program for Saturday's activity (02/04).
  - He mentioned on the Community Consultation that would be based on developing the Coastal Fisheries Management Plan in VTP.
  - He mentioned on the activity on LMMA. A survey on VTP Household
  - He mentioned on the school awareness for Tolise and Motufoua
  - He mentioned the activities from O&D Section
  - Mentioned on the Kaupule consultation on the following week; summarizing and reporting to the KPL.
- Floor opened for discussion

0930

- Aleli thanked MP for presenting the program for a week and passed the floor to the *Failautusi* for any thoughts.
- Pitasi asked on the School Awareness for Tolise. She wondered which classes that the team wished to present to.
  - MF answered for Tolise, they are targeting class 6 – Class 8.
  - Pitasi replied that they could make some arrangements with the Staff.
- Palekimanogi asked on the catering

- MP answered that new policy was made. Instead of catering, the seating allowance would be used for the community consultation. He added on the specific rates on the allowance.
- Palekimanogi and Pitasi made an arrangement in listing down the names of participants expected to attend the Community Consultation on Monday (04/04).
- NS explained on the activities based on Sea Safety Awareness and Post-Harvest Training.
- Palekimanogi asked on the Turtle shop
  - NS answered that he would work on it with the CFO.
  - He added on who was the point of contact in Fisheries.
- Aleli added the freezer was much needed in VTP for their program and storage of catch. He thanked the team for the update.

0952

- MP thanked the KPL for sharing their thoughts and discussion based on the program for the week.
- Aleli thanked MP for the presentation and discussion.
  - He requested for a rug-like grip texture that prevents boat from slipping to be placed in the ramp.
    - Manu added that there was a stopper in the ramp but the grip of the stopper was not effective enough to hold the boat.
- MF commented that if the Kaupule wanted to propose something, they could make a proposal and submit it to DoF and TA.
- NS talked on the light beacons that could be used to replace the lights from the beacons in VTP.
- Aleli thanked the team for the program and wished the team well during their one-week stay in VTP.

1004

- Program concluded.

**Date:** 05/04/2022

**Time:**

**Venue:** Anipule II

**Event:** Community Consultation – Developing Coastal Fisheries Management Plan (Day 1)

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### Activities

0928

- Program commenced with an opening statement from Teauoki and an opening prayer from one of the community members.

0931

- Teauoki passed the floor to MP.
- MP thanked the community from all groups in attending the program.
  - He briefed the purpose of the consultation in developing the Coastal Fisheries Management Plan (CFMP).
  - He mentioned the day 1 presenter (MF)
  - He mentioned the discussion activities.
- Each team introduced themselves.
- MP passed the floor to MF.

0940

- MF presented on the Day 1 presentation of developing the coastal fisheries management plan.
  - She briefed on what the plan focusses on and what it covers.
  - She talked on the Agenda for 3 days.
  - She introduced the presentation on what was the CFMP
    - She explained on the reasons of having the plan, function of the plan, involvement of the plan and the duration of establishing the plan.
    - She explained on *Te Kete* and how it links/relates to the Fisheries Corporate Plan and ISP. From there, she added that the CFMP comes in working together on establishing the plan (Island Community and Fisheries Department,)
    - She reiterated the purpose of the consultation. She mentioned that the Fisheries department cannot implement the plan for them but will assist in terms of technical advice when necessary.
    - She explained on the inclusion of management plan – traditional knowledge and skills. As one method of including in the plan in managing resources.
    - She explained on what will be in the plan.
    - She explained on the terms: Context, Purpose, Scope, Goals and Objectives (SMART Method)
  - She explained on the discussion questions.
- Floor opened for discussion.
- (No one raised a concern)

1004

- 5 minute break commenced

1009

- Community were broken up into different groups for discussion activities

1205

- Women's group presented first
  - She discussed on the goals and objectives
    - She mentioned in her goal that there should be an improvement of coastal fishery in Vaitupu
    - She listed her objectives:
      - Ensuring that there's an improvement of milkfish stock.
    - Floor opened for discussion

1318

- Program concluded

**Date:** 06/04/2022

**Time:** 0925

**Venue:** Anipule II

**Event:** Community Consultation – Developing of the Coastal Fisheries Management Plan (Day 2)

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#### Activities

0925

- Program commenced with an opening statement from Teauoki and an opening prayer from one of the community member.

0928

- Teauoki passed the floor to MP

0929

- MP welcomed the community for attending the Day 2 Program.
  - He recapped the consultation done in the day before.
  - He reiterated the program that was similar to day before.
- MP passed the floor to MF

0931

- MF talked on the agenda for Day 2 program
- She reiterated the activities done the day before
  - She briefed on the Context, Purpose, Scope, Goals and Objectives.
  - She explained on the day 2 presentation – Management Measures.
- MF passed the floor to LN

0937

- LN presented on Management Measures.
  - He explained on what management measures about
  - He explained that each island have their own management measures.
  - He explained that the management measures could be related to existing sources or policies.
  - He talked on the example found in the Marine Resource Act (2006) based on conservation and management measures.
- Floor was opened for discussion.

0943

- Pati was wondering which coastal fishery resources does it cover
  - PL answered that the plan itself refers to Coastal Fisheries meaning that it refers to resources covering from the passage to the shore. He added on that the Tafauli is regarded as a deep sea fish.
  - MP reiterated on what PL mentioned previously. He added on the 12NM that comes under Coastal. He mentioned that Deep Sea fishes can be included in the Coastal Fishery. He mentioned that that authorized distance was mentioned in the Falekaupule Act (1997).
  - Pati thanked the response from MP and PL. He found it clear from listening to MP and PL on their responses.
- MP thanked the audience for their queries and passed the floor to MF.

0955

- MF explained on the discussion questions based on Management Measures and Compliance & Penalties.
- 5 minute break commenced.

1000

- Break ended
- Proceeded with the group discussion

1130

- Women's group presented
  - She answered the questions on Rules
    - She listed down the prohibitions of fishing activity in VTP
    - She mentioned that those prohibitions were beneficial to all
    - She mentioned that rules/policies in VTP; all needed to be kept as it help managed the coastal marine resources.

- She mentioned that the rules needed to be addresses such as policy on BDM,
- She answered the questions on Enforcement
  - She mentioned that there were some rules that were broken/breached as the by-laws in managing marine resources were becoming lenient
  - She mentioned that some rules that needed to be enforced was to have an LMMA officer in VTP
  - She mentioned that everyone need to be involved in setting up the policies to be enforced.
- Floor opened for discussion
- A community member asked if there were existing rule on the mesh size
  - She answered that there was a policy from what she believed.
  - He replied there was no existing policy on that.
  - She added to have that policy included in addressing the rules to be enforced.
- KPL group presented
  - He answered the questions based on the rules
    - He mentioned that there was a benefit but the benefit have been abused.
    - He mentioned that the rules needed to be addressed:
      - Prohibit the casting net (1 – 1.5 inches)
      - Prohibit the catch of turtles: Small turtles and turtles coming to lay eggs.
      - Prohibit the catch of turtle hatchlings
      - Prohibit the catch of coconut crabs.
  - He answered the questions based on enforcement
    - He mentioned that all rules that were placed were broken
    - He mentioned to have the penalties become harsh, person in looking into the enforcement of rules need to know their roles and responsibilities.
- Elders presented
  - He answered the questions on rules
    - He listed down the prohibitions of fishing activity:
      - Fishing restrictions in LMMA with certain fishing method
      - Prohibit the use of outboard motor within the lagoon.
    - He mentioned that there were benefits to the community. He added that no one was excluded in those benefits.
  - He answered the questions on enforcements
    - He mentioned that there were some rules were broken due to:
      - Drunkenness
      - Neglecting the community duties
      - Rules taken too lightly
    - He mentioned that the Falekaupule need to corporate and strengthen in terms of monitoring and enforcing the policies
    - He mentioned that everyone and the police need to be involved in enforcing the rules.
- Lima Malosi presented:
  - Iolaamo answered the questions on Rules

- He mentioned that the benefits went into 2 answers – Beneficial and Not Beneficial.
  - He answered the questions on Enforcement
    - He mentioned to have a report to log in every actions done.
- Fishermen presented
  - He answered the questions on rules
    - He mentioned that there were benefits. He mentioned that although the KPL monitors and controls the LMMA, there were benefits on that for everyone.
    - He mentioned to have sign that could display the area restriction (LMMA).
  - He answered the questions on enforcements
    - He mentioned that having an awareness would help the community to be aware of the resources.
- Floor opened for discussion

1213

- (No one raise any queries)
- MF reminded the youths and those came in late to be on time the next day as the discussions for day 3 would take long.
- She recapped the activities done today and briefly explained the program for tomorrow.

1217

- MP thanked the community for attending the program.
- He reminded the community to arrive early the next day
- Passed the floor to the community for closing the program.

1219

- Teauoki thanked the team for the program and also the community for attending the program.
- A community member gave a closing prayer for day 2 program

1224

- Community Consultation for Day 2 concluded.

**Date:** 07/04/2022

**Time:** 0930

**Venue:** Anipule II

**Event:** Community Consultation – Developing of Coastal Fisheries Management Plan (Day 3)

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**Activities**

0930

- Program commenced with an opening statement from Teauoki
- An opening prayer from one of the community members.

0932

- Teauoki passed the floor to MP
- MP welcomed and thanked the community members for coming for the final day of the consultation.
- MP passed the floor to II.

0934

- II presented on the developing the Implementation and Monitoring Plan
  - He explained on what the implementation plan covers
  - He mentioned the roles between Tuvalu Fisheries Department and Island Community when the plan becomes implemented.
  - He explained on what action/strategies meant
  - He explained on the funding of the plan and how its important for the plan to fund the activities. He mentioned the potential issues on finding the funding sources.
  - He explained the format of the implementation plan table and its structure.
  - He explained on what the monitoring, evaluation and learning of the plan.
  - He explained the structure and format of the monitoring plan
- He passed the floor to MF for explaining the activities for day 3 presentation.

0943

- MF explained on the discussion questions
  - She summarized the questions for implementation and monitoring plan.
- Floor opened for discussion

0947

- A lady asked on the funding and which one we focused on: Either find a funding source or set up the implementation plan.
  - MF answered that in some actions in the plan requires funding to fund activities. Other activities requires only people to do the action.

0951

- MP gave a 5 minute break

1000

- Group activities commenced.

1250

- Pitasi presented on behalf of the women's group
  - She presented the Implementation Plan
    - She mentioned on the first strategy and how it can be implemented.
      - She added that an expert should set up a workshop on milkfish characteristics and ways to monitor the milkfish.
      - She mentioned that a risk could impact the strategy.
    - She added that the Implementation plan wish to get it implemented by the year, 2023.
  - She presented the Monitoring Plan
    - She mentioned on the method of monitoring the implementation plan. She explained to have a logsheet in place to keep records of the milkfish stock.
      - She added that the time for the plan to be active would be in the year, 2024.
    - She mentioned on the inclusion of O&D in helping women in marketing skills.
    - She mentioned on the ways of extracting sand from the lagoon. She added that the reporting of that activity would Fisheries and PWD.
- Floor opened for discussion.

1310

- Iolaamo Seelo presented on behalf of Lima Malosi
  - He presented on the Implementation Plan
    - He mentioned the first strategy of the first objective (Enforcing the existing laws)
  - He presented the Monitoring Plan
- Floor opened for discussion
- PF reiterated the presentation.

1328

- Elders group presented
  - He presented on the Implementation Plan
    - He mentioned the strategies on what it could be achieved from the objective
    - He mentioned that the activity could be done in 2023
  - He presented the monitoring plan.
- Floor opened for discussion

1344

- Lauani made a small exercise for the community

1345

- Fishermen association presented
  - He presented the Implementation Plan
    - Outlined certain strategies/actions that relates to the objective.
  - He presented the monitoring plan

## 6.5 LMMA Household Survey Sheet



## Tuvalu Fisheries Socio-economic Survey Data Sheet

LMMA Household survey					
<b>Target Group</b>		Elders, Women, Fishermen, Youths and children of 13 years old.			
<b>Objective:</b> To gather detailed information on (i) How much the community knows about LMMA; (ii) The effectiveness of LMMA on the island					
Island:		Village:			
Latitude (DD):		Longitude (DD):			
Surveyor 1:		Surveyor 2:			
Date:					
<b>Person interviewed (confidential, names will not be published)</b>					
First name:		Last name:			
Date of birth		Gender:		<input type="checkbox"/> Male	<input type="checkbox"/> Female
Number of household members:		Are you a fisher?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
How often you go fishing in 2 years?					
What is your main source of income?					
<b>LMMA information</b>					
1. Have you ever heard of LMMA?		<input type="checkbox"/> Yes		<input type="checkbox"/> No	
2. Do you know the different between LMMA and a Marine Protected Area?		<input type="checkbox"/> Yes		<input type="checkbox"/> No	
3. How well do you know and understand of the LMMA?		a) Objectives (what the LMMA is trying to achieve) <ul style="list-style-type: none"> <li>• Don't know anything</li> <li>• Know a little</li> <li>• Fair knowledge</li> <li>• Good knowledge (know it very well)</li> </ul> b) Rules <ul style="list-style-type: none"> <li>• Don't know anything</li> </ul>			

	<ul style="list-style-type: none"> <li>• Know a little</li> <li>• Fair knowledge</li> <li>• Good knowledge (know it very well)</li> </ul> <p>c) Penalties</p> <ul style="list-style-type: none"> <li>• Don't know anything</li> <li>• Know a little</li> <li>• Fair knowledge</li> <li>• Good knowledge (know it very well)</li> </ul> <p>d) Boundary?</p> <ul style="list-style-type: none"> <li>• Don't know anything</li> <li>• Know a little</li> <li>• Fair knowledge</li> <li>• Good knowledge</li> </ul>				
4. What has been the most useful way for you to learn about LMMA?	Radio	Metronome	Pamphlets	Posters	Other
5. Which way would you prefer is the best way to receive information on LMMA?	Radio	Metronome	Pamphlets	Posters	Other
6. In the past 2 years, have the island Chief/elders opened the LMMA for fishing?	Yes		No		
7. How often did the LMMA open for fishing and for how long it was opened?					
8. If the elders/chief open the LMMA for fishing. Have you noticed the catch?	Increase in size	Increase in quantity	Decrease in size	Decrease in quantity	
9. Other than the LMMA, what management measures are practiced on your island that you are aware of?					
10. What ways and approaches do you think should be done to improve our way of conserving our coastal resources?					
<ul style="list-style-type: none"> <li>a) LMMA</li> <li>b) Aquaculture</li> <li>c) MPA</li> <li>d) Size limit</li> <li>e) Gear restriction</li> <li>f) Other</li> </ul>					
11. What have been your main concerns over the past 2 years?					
<ul style="list-style-type: none"> <li>a) Coral bleaching – Good 1, 2, 3, 4, 5 Bad</li> </ul>					

- b) Algal bloom – Good 1, 2, 3, 4, 5 Bad
- c) Pollution – Good 1, 2, 3, 4, 5 Bad
- d) Decrease in the number of coastal resources – Good 1, 2, 3, 4, 5 Bad
- e) Others – Please explain

If the number of coastal resources are decreasing. What species?

**THANK YOU**

6.6 Attendance List

Day 1

Venue: MANATUA MAI AU MANAFA

Tuvalu Fisheries Department

Date: 18/08/22

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
Taimoa. Atoa	67	M	Kph.	✓	[Signature]
Alafat. T	88	M		✓	[Signature]
LEVENOTI M.	68	M	Retired of servants	✓	[Signature]
Teeva Noma	62	✓	FKP	✓	[Signature]
Blakung Toua	78	✓		✓	[Signature]
Nele Paau	71	✓	Fale Kaupule	✓	[Signature]
Safakua. Kapai	71	✓	F/Kaupule	✓	[Signature]
Aotema. Cavete	64	M	KPL	✓	[Signature]
MIOPELE. PAPAIA	63	M	KPL	✓	[Signature]
Lotu. Pua. Lotu	58	M	Govt. Penfolds	✓	[Signature]
Maselvi. Obunuy	53	M	KPI	✓	[Signature]
KPEPEPE	75	M	PLAPE	✓	[Signature]
TANI. KIMAGU	52	M	FALEXAUPUE	✓	[Signature]
TUOISI. M.	61	M	FKaupule	✓	[Signature]
Lopana. Filipa	63	M	FKaupule	✓	[Signature]
LOPATI. OREANI.	34	M	MALOSIGA	✓	[Signature]
TIRAOI. R.	44	M		✓	[Signature]
Seetu. Nikotomo	73	M	FKaupule	✓	[Signature]
SUKA. TOSIA	59	M	F. Kaupule	✓	[Signature]
LUKA. TENEI	53	✓	F/Kaupule	✓	[Signature]
AIG. SELINA	57	M	FAKA	✓	[Signature]
TAA. TAMARALE	61	M	KPL	✓	[Signature]
Lekoa. Moxulu	63	M	Paaka	✓	[Signature]
TOKLE. AENENI.	66	M	PAKA	✓	[Signature]
Kosiva. Toke. Tou	68	M	Paaka	✓	[Signature]
DEFTI. FIAMALII	63	M	"	✓	[Signature]
Paala	60	M	"	✓	[Signature]
Kausana. Noma	54	M	Fale Kaupule	✓	[Signature]
SOKIATA. PAIUA	57	M	FALIA	✓	[Signature]

ATTENDANCE LIST

COASTAL SECTION

Day 1

Venue: MANUTUA MAI AN MANEAABA

Tuvalu Fisheries Department

Date: 18/03/02

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
Solanama Veliama	47	M	AWOOD		<i>[Signature]</i>
Faitela. Isireu.	49	-	Malosiga		<i>[Signature]</i>
Kapilari Feneuta	59	F	Matapulapula.		<i>[Signature]</i>
Abby					<i>[Signature]</i>
Faitelutusi	43				<i>[Signature]</i>
Sivao. Jina	20		Malosiga		<i>[Signature]</i>
Lasana. A	54		Matapulapula		<i>[Signature]</i>
Sulana. K	67		Matapulapula		<i>[Signature]</i>
Nialo. Mochus	67		"		<i>[Signature]</i>
Alien Matakio	64		"		<i>[Signature]</i>
Palaea Fouaia	63		"		<i>[Signature]</i>
Fulunga Neta	71		"		<i>[Signature]</i>
Masida Alo	61		"		<i>[Signature]</i>
Faali. Penahumot	41		Malosiga.		<i>[Signature]</i>
Melane. Vihani.	42		Malosiga.		<i>[Signature]</i>
Melanesim. O	38	F	malosiga Matapulapula		<i>[Signature]</i>
Sungah.	26	F	malosiga.		<i>[Signature]</i>
Roche. Nelson	41	F	malosiga.		<i>[Signature]</i>
Lango.	55	F	malosiga.		<i>[Signature]</i>
Neloh. Tevesi	33	F	malosiga.		<i>[Signature]</i>
Ngrauna. K	28	F	malosiga.		<i>[Signature]</i>
Ante. S	25	F	Malosiga		<i>[Signature]</i>
Tautaleka.	29	F	Malosiga		<i>[Signature]</i>
Doro tau	31	F	Malosiga		<i>[Signature]</i>
VAPANG. T	30	M	MANUSIA		<i>[Signature]</i>
Suava. M	53	M	FAKAOFO		<i>[Signature]</i>
Tokataaka	54	FM	Matapulapula		<i>[Signature]</i>
STPANE. T	56	M	Faleodu. Pula.		<i>[Signature]</i>

ATTENDANCE LIST

COASTAL SECTION



Date: 2/08/22

2nd DAY

Venue: MANATUPA MAI AO Tuvalu Fisheries Department

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
1 Onecenti Maedon	68	M			<i>[Signature]</i>
2 Alapati Tetimona	58	M	KPL		<i>[Signature]</i>
3 Bedanus Tug	78	V	FKP		<i>[Signature]</i>
Tevoro Neinei	62	V			<i>[Signature]</i>
AKK Bapal	70	V	F/Kaupulu		<i>[Signature]</i>
Kedema Choto	64	M	KPC		<i>[Signature]</i>
Sapukuka Kape	70	V	F/Kaupulu		<i>[Signature]</i>
Tovasi M	61	M	F/Kaupulu		<i>[Signature]</i>
Selafu K	56	M	F/Kaupulu		<i>[Signature]</i>
Lafaf P	53	V	FKP		<i>[Signature]</i>
Setau Pukotene	73	V			<i>[Signature]</i>
Sepana Felipe	63	V			<i>[Signature]</i>
Lea Aenti	66	M	Doell		<i>[Signature]</i>
Mama Kati	63	M	IT		<i>[Signature]</i>
Aute S	25	F	Malosiga		<i>[Signature]</i>
Ngauta F	28	F	Malosiga		<i>[Signature]</i>
Sidalo I	28	F	Malosiga		<i>[Signature]</i>
Sivoo	20	F	Malosiga		<i>[Signature]</i>
Linda	22	F	Malosiga		<i>[Signature]</i>
Nei Taake	41	F	Malosiga		<i>[Signature]</i>
Leupani Pimeburu	48	M	Kaupulu		<i>[Signature]</i>
Selomona Viliamu	47	M	(WDOO)		<i>[Signature]</i>
Luka Tevosi	53	V	F/Kaupulu		<i>[Signature]</i>
Ma Seluka	57	V	Kaupulu		<i>[Signature]</i>
Tutulu Kuluu	49	V	Malosiga		<i>[Signature]</i>
Solomata Polcia	57	V	F/Kaupulu		<i>[Signature]</i>
Siane Tanu	56	V			<i>[Signature]</i>
Kainasiga Neinei	54	V			<i>[Signature]</i>
Tuaga I	32	V	Malosiga		<i>[Signature]</i>

ATTENDANCE LIST

COASTAL SECTION

Date: 21/08/22

2nd DAY

Tuvalu Fisheries Department

Venue: MANATUA MAI AU

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
Sikopi Tuavia	59	m	F/Faika		[Signature]
Kelefi	75	v	F/Kaupule		X KABA
Tuliga - Neleta	71	F	Matapulapula		[Signature]
Violet Naak usi	67	F	v		[Signature]
Karee Tuavasi	63	F	v		[Signature]
Nev Kpi	89	F	v		F Sp. Noa
SAM KUSABA	56	F	v		[Signature]
Selama	67	F	v		[Signature]
Faducaken		F	v		[Signature]
Jakataale	55	F	Matapulapula		[Signature]
Alen. Mataake	64	v	v		" ASSES
Lingo - TIKI	55	v	v		ASSENKI
Mastina - Aio	61	v	v		[Signature]
Nelea. Tevot	88	v	v		[Signature]
NAP STAR	63	M	F/Kaupule		[Signature]
Isumu. Moken	v	v	v		[Signature]
Tevoti	66	v	v		[Signature]
KOMATI	53	v	K/PAIKA		[Signature]
Vitale. Aseela	76	v	v		[Signature]
WATOKA PELET	53	v	v		[Signature]
Cafton Avale	57	v	v		[Signature]
Satson Nauoas	65	v	v		[Signature]
Tomomun Paka	67	v	v		[Signature]
MIOPULE / PANA	63	v	KPL		[Signature]
ILI-K. Macei	52	v	F/KAUPULE		[Signature]
TOOM. Tavikale. UAI	61	v	KPL		[Signature]
LOPATI OKELANI	34	M	MALOSIGA		[Signature]
KAMARI. PEKEUETA	59	F	MATAPULAPULA		[Signature]
MELESINI. ALOFA	88	v	v		[Signature]

ATTENDANCE LIST

COASTAL SECTION



Date: 22/03/20

DAY 3  
Tuvalu Fisheries Department

Venue: MANATUA MAI AU.

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
Taimani. Aelisa	67	M	KPL	✓	[Signature]
Klapati. Terimane	88	M	KPL	✓	[Signature]
Louisa. Masehau	68	M		✓	[Signature]
Louisa. Nemes	62	✓	KRP	✓	[Signature]
Ueli. Paapi	71	✓	KRP	✓	[Signature]
Luka. Teviasi	63	✓	W	✓	[Signature]
Aiofete. Finau	63	✓	KPL	✓	[Signature]
Sopakuaka. Kapai	70	✓	KRP	✓	[Signature]
Maoeluisi	55	✓	Kel	✓	[Signature]
Toucisi. M.	61	✓	Fikaupule.	✓	[Signature]
Septa. Nika	73	✓	✓	✓	[Signature]
Septana. Filipa	69	✓	✓	✓	[Signature]
Ketema. Lanto	67	✓	KPL	✓	[Signature]
Louke. NENNEN	66	✓	Boole	✓	[Signature]
Lou. Tancabe	61	✓	KPL	✓	[Signature]
Leupena. Pesehmo	48	✓	Kapfaka.	✓	[Signature]
Solenara. Veliamu	47	✓	Kapfaka	✓	[Signature]
Kasagasa. Nemes	54	✓	Fikaupule.	✓	[Signature]
FRANCI. MARATUI	44	✓	Fisherwoman	✓	[Signature]
Isa. T.	53	✓	KRP	✓	[Signature]
Pipame. T.	56	✓	KPL	✓	[Signature]
Kapama. A.	54	✓	Matapuapula	✓	[Signature]
Sekope. T.	59	M	Fisherwoman	✓	[Signature]
KONANI. T.	53	✓	✓	✓	[Signature]
Alo. SEZENA.	57	✓	FISHERMAN	✓	[Signature]
MARILU. ISILUA	49	✓	Malaga.	✓	[Signature]
LOPATI. OKELANI	34	M	✓	✓	[Signature]
SOUAK. POLUA	57	✓	KRP	✓	[Signature]
BANI. ANANI	63	F	Matapuapula.	✓	[Signature]

ATTENDANCE LIST

COASTAL SECTION

Date: 22/03/2022

DAY 3 -  
Tuvalu Fisheries Department

Venue: MANAPUTUA MAI AU

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
Vipilei Mafutua	67	F	Matapulepule		Vipilei Mafutua
SALAM. KASABA	52	F			
Fa'afanua	73	F			
Selama	62	F			
Abby-Arawafau	59	V			
Kamari-Peneueta	59	V			
Masina-Alo	61	V			
Alan-Mataake	64	V			
Lingo-TIKI	55	V			
Nepa-Tevesi	38	V			
Tuluga-Nelota	41	V			
MAPE	63	M	FK		
CUATOKA PELETI	53	M			
Isamu-Moteni	63	M			
Carlton Kiale	57	M			
NGAUTA FAICHOI	28	F	Malosida		
SIALO-FANA LAMU	21	F	Malosida		
TRAKE-N	41	V	Malosida		
AUTE-PUAUTOR	25	F	Malosida		
SIVAO	20	F	Malosida		
Lada-Ehitone	22	F	Malosida		
Uoti	66	M	F/KPL		
Vitale	76	V			
Kisone	65	V			
Sepefala	56	V			
Fili	52	V			
Teketaake	55	F	Matapulepule		
Melosiam	38	F			
Sugali-Kover	26	F	malosida		

ATTENDANCE LIST

COASTAL SECTION

Venue: *PERMANI MORE ATTA*

*DAM 1*

Tuvalu Fisheries Department

Date: *25/03/22*

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
<i>Sueetusi</i>	<i>62</i>	<i>M</i>	<i>Kaupaku</i>		<i>[Signature]</i>
<i>Rano I</i>	<i>57</i>	<i>M</i>			<i>[Signature]</i>
<i>Pennia S</i>	<i>59</i>	<i>F</i>			<i>[Signature]</i>
<i>LONES F</i>	<i>67</i>	<i>M</i>	<i>TAPAINA</i>		
<i>ASUM V</i>	<i>66</i>	<i>F</i>	<i>PAFINE</i>		
<i>Uaine S</i>	<i>61</i>	<i>F</i>	<i>PAFINE</i>		<i>[Signature]</i>
<i>Hiva A</i>	<i>69</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Violeta Manuka</i>	<i>59</i>	<i>F</i>	<i>Pafine</i>		<i>[Signature]</i>
<i>Lisa Aukuta</i>	<i>38</i>	<i>F</i>	<i>Pafine</i>		<i>[Signature]</i>
<i>Levine Teforo</i>	<i>53</i>	<i>M</i>	<i>Takutaki, Ivalu, Auete</i>		<i>[Signature]</i>
<i>FIANKI TESSO</i>	<i>32</i>	<i>M</i>	<i>FISHMAN</i>		<i>[Signature]</i>
<i>Viva Alisima</i>	<i>28</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Lakona Tefine</i>	<i>33</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Selina Kuisi</i>	<i>84</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Sopoa Tupe</i>	<i>28</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Sose Taita</i>	<i>30</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Kisiga Teshala</i>	<i>20</i>	<i>M</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Peneloa Mafai</i>	<i>21</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Neseta</i>	<i>29</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Manisulu L</i>	<i>25</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>LUELA</i>	<i>66</i>	<i>T</i>	<i>TOEIA</i>		<i>[Signature]</i>
<i>SAILUSTI YILIANA</i>	<i>52</i>	<i>T</i>	<i>TOEAINA</i>		<i>[Signature]</i>
<i>KATAPANE TELOMI</i>	<i>63</i>	<i>T</i>	<i>TOEAINA</i>		<i>[Signature]</i>
<i>Hevahi</i>	<i>67</i>	<i>T</i>	<i>T-Teiti Aesi</i>		<i>[Signature]</i>
<i>Filipika Hiofika</i>	<i>48</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Vasaleva Kifua</i>	<i>31</i>	<i>F</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Nivon Tuvua</i>	<i>31</i>	<i>P</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Lisa Cahua</i>	<i>20</i>	<i>T</i>	<i>Tamanuku</i>		<i>[Signature]</i>
<i>Lina Kavitaone</i>	<i>57</i>	<i>T</i>	<i>Pafine</i>		<i>[Signature]</i>

ATTENDANCE LIST

COASTAL SECTION

Date: 25/03/22

DAY 1  
Tuvalu Fisheries Department

Venue: FRASER MOTU ATA

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
FAMAONI TOALI	55	F	Fishing		[Signature]
FINAY FATEASILI	66	F			[Signature]
Sepate	52				
Jivan Siafika	59				
Papa Penam	49	F	Sw man		[Signature]
Ligo Navega	72	F			[Signature]
Makani Tomose	71	F			[Signature]
Fetani Nuvasala	66	F			[Signature]
Tulelei Tuwala	62	F			[Signature]
Lanasaki G	61	M	Fish		[Signature]
Teisao Faleki	57	M	Training		[Signature]
LOVETELE MEN	57	m			[Signature]
PASA I	77	m			[Signature]
Kupolo	82	m			[Signature]
Nirunlo FA GEORGE	72	m	Training		[Signature]
Simona. HTO	40		FAKAPOTOPOTOPAS FAKA		[Signature]
Letia Vaboo	69	F	Sw Fish		[Signature]
MUSASE. PLITATI	66		TUKUMALAI		[Signature]
ETIATA I	67		FFF		[Signature]
USUNGAFOU TOFINGA	66	M	KAW FAKA		[Signature]
SORANCA SAUFATU	41	M	Kampule Sec.		[Signature]
Patricia Peter		F	Tamamua		[Signature]

ATTENDANCE LIST

COASTAL SECTION

Venue: Feagimoteata

Day 2

Tuvalu Fisheries Department

Date: 28/03/18

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
Kubalo	82	M	Todina		Kubalo
COTISE	23	M			
TUSELA	66	M	TOEAINA		TUSELA
BUKUPAE	68	F	TUMUKA		BUKUPAE
NUKUALOFA	72	F	TOEAINA		
SALUISI	52	M	TOEAINA		
TEPIO FIAKI	57	M			
Tevone Tevone	53	M	Takitaki Tuala		
Selafieha Fiafi	57	M	Kaupule member		
Tevone Senui	59	M	Kaupule member		
Kano Tevone	59	F			
Suevini Saele	62	M			
Laungafano Tevone	66	M	Fagafaga Faka		
Loneti Fagafaga	67	M			
Lele Kelele	69	M			
Fisani Falea	70	M			
Fantei Tevone	32	M			
KAITAPAS. ISLAMI	67	M			
Faiu Vailoga	66	F	PAFINE NIFF		
Lamine S	66	F	PAFINE "		
FAMADWI T	55	F	PAFINE		
Yuleta Mavogo	59	F	Fafue		
Sopela Tevone	52	F	Fafue		
Tevone Nuanasala	66	F	Fafue		
Tevone Selapale	59	F	Fafue		
Lamine Kaitapane	57	F			
Tevone Tevone	72	F			
Tevone Tevone	68	F			
Faiu Tevone	49	F	Fafue te fenua		

ATTENDANCE LIST

COASTAL SECTION





Venue: PEAGAI MOTE ATA

DAY 3.

Tuvalu Fisheries Department

Date: 29/03/20

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
Pemua. S	59	M	Coastal member		
Kaoso. Tolomua	✓	✓			
KANESI. PAKHUKA	67	✓	KAV FAKA		
KAMAPANA FELOMI.	67	✓	"		
Jepune. Tefano	53	✓	Tee-earua		
Nimeu. EUSA	32	F	Tamanuku.		
EUSA. Teafula	20	M	Tamanuku.		
Manisulu	25	F	Tamanuku		
Lisa	20	✓	✓		
Lota Vaaku	69	M	Tomo Fakua		
FADRI. JESAO	32	M	V.V.		
Fesui Vaalopa	66	F	FAFINE		
Jeanne	61	F	"		
Lakena. Jefone	33	✓	Tamanuku.		
Nio. Vaeh	72	F	Fafina.		
Tuilei. Misela	62	✓	✓		
Lisa. Alubutasi	38	F	Fafine.		
Vilikia. Manuiga	59	F	Fafine		
Sepeta. JESAO	52	F	✓		
Plavaq. FAEASIS	66	F	✓		
Fetau	66	F	✓		
Faci. Lanau.	49	F	✓		
Irau. Papulu	59	F	✓		
Soniia. Kusi	24	-F	✓		
Supela. Iupe	28	✓	Tamanuku.		
Famauu. Toak.	55	F	Fakua.		
Aime. Kaitasene	57	✓	"		
Filik. Fokoto	48	✓	Tamanuku		
Akaka. Kofia	37	✓	✓		

ATTENDANCE LIST

COASTAL SECTION

Date: 5/04/20

① Day 1  
Tuvalu Fisheries Department

Venue: ANIPILE

NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
Fraod.	52	M	TOPIVA		Fraod.
Favave. S	57	✓	✓		
Fakab Isala	69	✓	Tamasea		Fakab
Fuaa S	58	✓	✓		Fuaa
Surea E	65	✓	TOPIVA TUMASEA		Surea
Geni. H	67	✓	Asau.	?	Geni
Leaba. F	22	✓	5 Malosi Tamasea		Leaba
Intamaat	26	✓	5 Malosi Tamasea		Intamaat
Koua SIK	56	✓	✓		Koua
MOOKI MAKETOU	58	✓	TOPIVA TUMASEA		MOOKI
Sofola, SIANATOU	68	✓	10 ALUKI.		Sofola
Kulu Palava	67	✓	IKP		Kulu
Mulu-A	72	✓	ALUKI		Mulu
Palava. I	73	✓	✓		Palava
Safuka-M.	61	✓	ALUKI.		Safuka
JAN TAPAI	56	F	FINTP		JAN
Barbara. Selofo	32	✓	FINTP		Barbara
Fila. Sianatou.	24	M	ULUKI		Fila
LOSIASA	43	F	FIABAU.		LOSIASA
SINAMONNE. T	34	F	✓		SINAMONNE
Sina. Fiola.	62	F	✓		Sina
Lavania Teuso	83	F	Eafine Acau		Lavania
ANAVA Fagdele	62	F	IKP member		ANAVA
Faito Fuahe	69	F	Fafine Iyansen		Faito
Tui Palava	62	F	Fafine Acau		Tui
Sivale. Lavema	31	F	✓		Sivale
ROSAIMI. L	70	F	✓		ROSAIMI
Lavani Takataki	57	F	✓		Lavani
Pinaasi Faimalaga	46	F	Kampule member	✓	Pinaasi

ATTENDANCE LIST

COASTAL SECTION





Date: 06/04/22

Day 2

Tuvalu Fisheries Department

Venue: Anipule II

	NAME	AGE	GENDER	OCCUPATION	Sitting Allowance \$10	SIGNATURE
1	Kasohun L.	70	F	F/Asau		[Signature]
2	Kaanan T	57	F	F/Asau		[Signature]
3	Pitana - F	46	Female	Kaupite member		[Signature]
4	Tapika. Talio	69	Female	Fafine Tamaseu		[Signature]
5	Lavania Fouso	83	✓	Asau		[Signature]
6	Ariera Fagalela	63	✓	ISK member		[Signature]
7	Losioi	43	-	F/Asau		[Signature]
8	NANAKA E.TOLOA	45	✓	Asau		[Signature]
9	Makulu Moselā	57	✓	n.n.		[Signature]
10	ATA MAFAMA	70	✓	Tamaseu		[Signature]
11	TEVORO. AVINA	62	M.	TOLAINA		[Signature]
12	Mete.A.	73	✓	Asau		[Signature]
13	PEKISIA T.	78	✓	Asau		[Signature]
14	Soga (C.S)	68	✓	Asau		[Signature]
15	BENI.LL	67	✓	Asau		[Signature]
16	SUI.F	65	M	T/TAMASEU		[Signature]
17	Paitea	55	M	Fisherman		[Signature]
18	Pole M	58	F	Sai Tamaseu		[Signature]
19	Kobosiebs. Tabale	58	F	-		[Signature]
20	Tanika Lofilo	63	F	-		[Signature]
21	Siamata Kavama	31	✓	Fafine Asau		[Signature]
22	Simeoneas. Faeu	34	✓	✓		[Signature]
23	Sina Kabitoga	64	✓	✓		[Signature]
24	FUAL. S. Bihapau	58	TACITA	-		[Signature]

ATTENDANCE LIST

COASTAL SECTION



