

la ora to rima i te kino a te natura e ta te tangata

Mangaia Island Disaster Risk Management Plan



MANGAIA ISLAND
GOVERNMENT
2014 - 2018

VEITATEI

TAMARUA

4.1
GREEN ALERT PROCEDURE

Page 13



4.2
ORANGE ALERT PROCEDURE

Establish operations centre

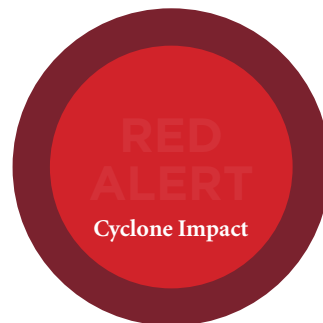
Page 16



4.3
RED ALERT PROCEDURE

When Cyclone is located 200 km from Mangaia

Page 18



CONTENTS

4	PREFACE
6	Mangaia disaster risk management committee
8	Mangaia cyclone shelters
9	Map of shelter locations
9	Shelter guidelines
10	What to bring to shelters
10	Pre-cyclone season checks
13	GREEN ALERT procedures
16	ORANGE ALERT procedures
18	RED ALERT procedures
20	Stakeholders structure
20	Tsunami procedures
22	After cyclone and tsunami has passed
23	Mangaia disaster relief plan
23	Map of vulnerable infrastructure
24	Relief structure
24	Resourcing the MDRM plan
25	Cyclone tracking map

PREFACE



Mr. Teremoana Atariki
Mayor, Mangaia Island Government
1st August 2014

Tangi-ke rava te iti tangata Mangaia.

The guiding theme for our plan is “*Ia ora to rima i te kino a te natura e ta te tangata*” –“Prepare your hands to be strong and manage the risk of natural and man-made disasters.”

Preparation of this plan is a legal requirement under the Cook Islands Disaster Risk Management Act 2007, specifically Part 3 concerning Responsibilities of Island Governments -

Section 15: Disaster Risk Management - (1) Each Island Council shall establish a Disaster Risk Management Committee (4) Each Island Council shall, in consultation with the Director, appoint a Disaster Coordinator who shall, in his area of responsibility, be responsible to:

- a) implement a Disaster Risk Management Plan;
 - b) assist the National Coordinator to coordinate resources to be used in response and recovery relating to an event; and
 - c) be responsible for the Safety Shelters in his/her area.
- (6) **Each Disaster Risk Management Plan shall –**
- a) specify the mitigation strategies to be adopted to reduce the risks of a Disaster and Emergency,
 - b) identify resources available for use for Disaster Risk Reduction and Emergency Management and,
 - c) specify how such resources are to be used.

Section 17: Disaster Risk Management Plans of other Agencies - Disaster Risk Management Plans shall be prepared in writing and kept current by all Agencies and Essential Services.

1) A Disaster Risk Management Plan must –

- a) establish an effective evacuation and a Disaster Risk Management plan for the entity and area of responsibility;
- b) specify the mitigation strategies to be adopted to reduce the risks relating a Disaster or Emergency;
- c) identify resources available for use for Disaster Risk Management;
- d) specify how such resources are to be used; and comply with all directions made by the Director.

Mangaia Island Government recognises the significance of this plan in preparing and protecting our people against disasters of any magnitude. We aim to prioritise the implementation of this plan to safeguard the people of this island.

We have put emphasis on safety measures with specific focus on disasters such as cyclones and tsunamis. Global and regional disasters and their devastating consequences are a reminder of the importance of this plan. Our goal is that this plan will pave the way to accessing the training and resources we require to equip ourselves to manage disasters and safeguard the island. An estimate of the resources required from central government appears in Section 11 below. Previous experience on Mangaia points to the need to be better prepared at all times. We cannot afford to be complacent - la ora to tatou rima.

1. Mangaia disaster risk management committee

NAME	STATUS	ROLE	CONTACT DETAIL
Aerenga Matapo	Senior Police Officer	Mangaia Disaster Coordinator (MDC)	34287 / 78579
Ngametua College Pokino	Executive Officer	Assistant Disaster Coordinator (ADC)	34289 / 73109
Rima Herman Alice Tangitamaiti	Manager Telecom Assistant	Internal and external communication	34680 / 55491 55481
Anthony Whyte	Manager Public Utility	Management of power and water supply	34299 / 34044 / 73219
Mata Herman Tutai Akavaanga	Supervisor Supervisor		34149 / 58950 34008 / 74012
Nooroa Samuela Jnr Junior Harry	Manager Infrastructure Assistant Manager	Machinery operator	34047 / 52377 34017 / 56560
Nuku Koroa Ngatamariki Paia	Manager Agriculture Supervisor	Food, plantations and animals	34061 / 34337 34240
Dr.Tun Mata Matamaki Mamatiare George	Doctor Nurse In Charge Nurse	Injury and emergency medical response	34027 / 73028 34369 / 79209 / 76024 34073 / 57171 34106 / 57067
Ne Tara	President Red Cross	Preparation and recovery relief	34106 / 57067
Teremoana Atariki Ngatamaine Ivaiti	Mayor Deputy Mayor	Mangaia Island Councilors	34206 / 76007 34289 / 34021 / 77480
Daddy Mauriaiti Taoi Nooroa	Chairman Secretary	Aronga Mana	34098 34055 / 34238 / 73434
Rev. Vailoa Akilia	Chairman of Mangaia RAC	Churches	34158

Tamarua Shelter Committee

Tamarua Community Hall (40)	Terepai Metuakore	34265 / 76579
Kiriapi Meeting House (30)	Kau Rere	34183
Tepauru Meeting House (20)	Nooroa Tangimataiti	34368 / 75580

Ivirua Shelter Committee

Karanga Hall (60)	Daddy Mauriati	34098
Queen Mary Hall (50)	Tangi Vaipo	34121
Sunday School Hall (40)	Vaike Ongoua	34114

1.1 The Mangaia Disaster Coordinator (MDC) is the Chairman of the Mangaia Disaster Management Committee (DMC) and the main contact point for the National Office in Rarotonga. In the absence of MDC, the Executive Officer or Assistant Disaster Coordinator will assume the Coordinator's role.

1.2 The Mangaia Telecom office will be the main Disaster Management Operations Center (DMOC) during a disaster – the maximum number of people in the DMOC at any given time will be four. These will be -

- **Disaster Management Co-ordinator (DMC)** - to co-ordinate emergency operations before, during and after the cyclone or tsunami
- **Cyclone tracking staff member** - to monitor the movement of the cyclone or tsunami via bulletins issued by the Fiji and Cook Islands Meteorological Offices and/or the Joint Typhoon Warning Centre (<http://www.usno.navy.mil/JTWC/>) or the Pacific Tsunami Warning Centre

- **Telecom staff member** - to ensure that all communication systems are operational and link together the three villages of Mangaia, and the island to Rarotonga and the outside world
- **Media staff member** - to provide regular, accurate, hazardous issues warnings to all villages via Mangaia Television and SMS texting based on bulletin reports issued by the National Disaster Management Centre, the Cook Islands Meteorological Office, and other reliable sources.

1.3 The DRM Committees shall have quarterly meetings or more frequently on the advice of the DMC/ADMC to deal with Disaster Management issues, training and resourcing opportunities.

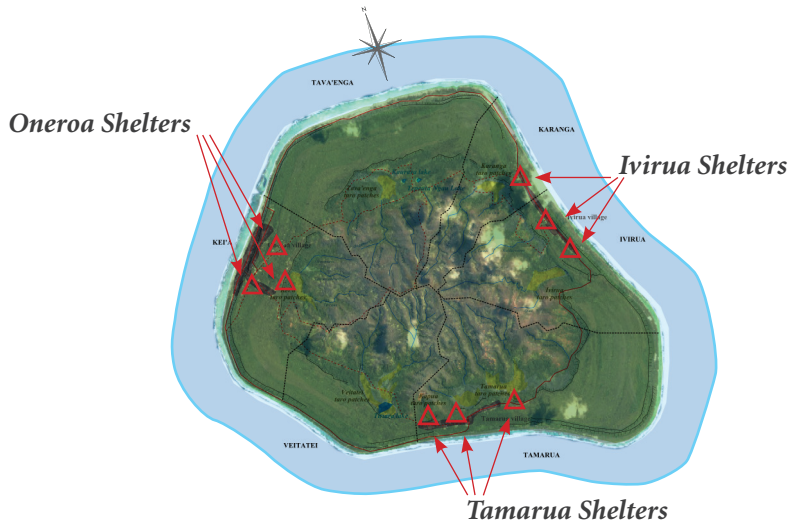
1.4 The Mangaia Disaster Committee membership will be reviewed in the first week of June every two years.

1.5 The Mangaia Island Government will provide secretariat services to the Mangaia Disaster Management Committee as required.

2. Mangaia cyclone shelters

VILLAGES	APPROVED SHELTERS AND MAXIMUM OCCUPANCY	LEADER / CARETAKER	CONTACT DETAIL
Oneroa	Veitaitai Hall (40) Keia Hall (60) AOG Church (60)	Tuaiva Mautairi Peiaa Teinangaro Periki Poila	34001 34168 34117
Ivirua	Karanga Hall (60) Queen Mary Hall (50) Sunday School Hall (40)	Daddy Mauriati Tangi Vaipo Vaike Ongoua	34098 34121 34114
Tamarua	Tamarua Community Hall (40) Kiriapi Meeting House (30) Tepauru Meeting House (20)	Terepai Metuakore Kau Rere Nooroa Tangimataiti	34265 / 76579 34183 34368 / 75580

Mangaia - Cyclone Shelter Locations



2.1 Shelter Guidelines

- 1) The Shelter Leader or Caretaker is responsible for managing the shelter before, during and after the emergency.
- 2) The number of evacuees should not exceed the maximum occupancy rate suggested in the table above.
 - a) Kaumata and Poeaiai residents should proceed to Veitatei Hall
 - b) Tava'enga and Aremauku residents should proceed to the AOG Church
 - c) Temakatea residents should proceed to Keia Hall
 - d) Ivirua and Tamarua residents should proceed to the nearest Shelter indicated in the table above.
- 4) Shelters are NOT to accommodate household belongings – only prescribed bedding and food will be allowed.
- 5) Evacuees are to assist with the clean-up of shelters before and after the cyclone
- 6) Any damage to a shelter caused by an individual will be met by that individual.
- 7) Any damage to a shelter caused during a disaster will be the responsibility of the Mangaia DMC.
- 8) The cost of any cyclone-proofing work required to upgrade a shelter before or after an emergency event will be the responsibility of the Mangaia DMC

2.2 What to bring to shelters

Action – DMC Media staff member

The community should be advised via media to take the following necessities, when they decide to evacuate to a shelter -

- a) Warm clothing / Apai i te parai maana
- b) Soap and toothbrush / Te pua takavai e toou uru nio
- c) Towels / Te tauera takavai
- d) Personal medication (panadol, aspirin etc ...) / Toou au vairakau
- e) Mat and blanket only / Te rauara ete parai moe
- f) Food (canned and packet) / Manga kai (punu e te peketi)
- g) Torch / Mori pata
- h) Drinking Water/ Te vai unu
- i) Radio and Batteries / Retio e te patiri
- j) Important family documents like photos, passports, birth certificates and others / Te au peapa puapinga mei te au tutu, te passport e te vai atura

3. Pre-cyclone season island checks

The following checks shall be carried out at the beginning of each cyclone season.

Action by: Secretariat, Mangaia Island Government and DMC Co-ordinator

3.1 Electricity Supply – emergency fuel supply (ensure there is enough fuel stock and reserves for the cyclone season)

- PU 4,000 litres minimum stock
- IA 1x 1600 litres
- Petrol 2x 200 litres.

3.2 Water Supply – some public tanks in each village will be set aside as emergency water supplies (Mangaia Island Government to identify and prepare

shelters water tanks, toilets and gutters) –

- Ivirua - Queen Mary Tank (plastic and concrete tanks)
- Karanga - Nga Paia Tank (plastic and concrete tanks)
- Veitatei Hall - (plastic and concrete tanks)
- AOG Church - Two plastic water tanks; more tanks are required due to the number of evacuees assigned to this shelter (see Section 11 below)
- Keia Hall - One Concrete Tank and three plastic tanks
- Tamarua - Two water tanks per shelter required – i.e., a total of six for the three designated shelters – (see Section 11 below)

3.3 Food and commercial fuel supplies – the bakery, fuel and food shops will be encouraged to be adequately stocked for the cyclone season.

3.4 Home emergency kits – TV advertising and awareness will inform the public of the need to have emergency kits ready for the cyclone season. These kits should include;

- Torch and spare batteries / Mori pata e te au patiri
- Battery operated radio / Te ratio e tona patiri
- First aid kit / Pia / Puaovairakau rapakau
- Canned food / Te punu kai
- Candles / Kanara
- Matches / Lighter / Mati
- Bottled water / Moina vai unu
- Important documents sealed in water tight plastic bags (Birth/Marriage certificates, passports, identification cards and so forth)

NB: A Cyclone Tracking Map and Emergency Checklist will be distributed to all homes on Mangaia

Action – Mangaia Island Government

3.5 Health – Mangaia Hospital will be asked to perform a stock-take every month to ensure adequate medical supplies in the event of a disaster.

3.6 Infrastructure — Checks to be done on the cyclone preparedness of all key infrastructure;

- Shelters
- Telecommunication infrastructure
- Hospital facilities, including back up electricity and water supplies
- Schools
- Heavy machinery
- Airport
- Harbour
- Roads
- Main power station
- Tourist accommodation
- Shops

3.7 The Island Government and DMC to Review and update Emergency Procedures with all Departmental Heads, including the hospital, school principal, Island Council members, Aronga Mana and the Religious Advisory Council.

3.8 A pre-cyclone season SPECIAL TUTAKA undertaken by the Infrastructure, Public Utility and Agriculture Departments will include -

- Securing loose materials that could become flying debris and hazardous to the community.
- Trimming branches and trees that threaten buildings and other infrastructure.
- Assisting the repair of houses or buildings (especially cyclone shelters) that need structural support against cyclones, to prevent loose building fabric becoming flying debris.
- Assessing the cyclone readiness of residential homes. Home-owners will be expected to provide building materials for recommended house repairs and ropes to tie down their houses. Home-owners will also be asked to alert authorities to any safety issues, such as faulty wiring, which might pose a danger to life and property in the event of an emergency.



4.

GREEN ALERT

Procedure as cyclone approaches

Below is a step-by-step procedure to be followed depending on the severity of the threat to Mangaia from a cyclone.

GREEN ALERT – PREPARATION

Action by: Mangaia Disaster Management Committee

The Island will enter a '**GREEN ALERT**' or '**CYCLONE WATCH**' period when the Weather Bureau advises that a cyclone or potential cyclone is located within 600 kilometres of Mangaia, but where there is **NO** strong indication of gales affecting Mangaia within 24 hours.

4.1 Green Alert Procedures

- Activate sirens - 3 times for cyclone and 5 times for tsunami
- Media Staff member/TCI to SMS text a CYCLONE WATCH advice to all Mangaia mobile phone subscribers
- Media Staff member/Mangaia TV to issue CYCLONE WATCH alerts
- Media staff member/Mangaia TV to issue weather bulletins or any other updates from the DRM Committee regularly.

Regular broadcast messages should advise the community to ensure that:

- Children and family members are aware of the cyclone watch and have discussed plans for their safety if the threat level increases over the next 24 hours.

- Pets and animals are safe and secure. Animals should be untethered and removed from swamps in case of flooding.
- Home emergency kits are ready.
- House roof is tied down and home items are secured (in association with Red Cross “Tie Down the Roof” project)
- Vehicles are in a secure location, away from trees and other flying debris.
- Consider disconnecting the pipe taking rain water from your roof to your tank to protect tank water from salt incursion (especially close to the sea).
- The following people should report to their village shelters to assist in pre-emergency preparations;

The Island Council members

The Kavana, rangatira and other village leaders

The Orometua

Locally resident and/or retired police, nurses and teachers

Each village should have 5-6 persons trained in First Aid, CPR and first response medical procedures (Red Cross training)

Reassurance, Communication, Evacuation and Relocation must be a priority for,

1. Elderly and vulnerable residents
2. Residents in low lying areas
3. Residents living in unsafe houses
4. Tourists and visitors to the island.

Make sure these vulnerable community members are prepared and know the location of the nearest cyclone shelter. Identify if they require any special assistance and those who will assist them if an emergency arises.

The Rangatira with their pata (drums), should alert villages of the cyclone watch and should also check that all rubbish bins, corrugated iron and other items that

could become flying debris are placed in secure locations - preferably indoors.

All Department heads, as well as the school principal, hospital staff and those responsible for other public buildings (churches, village halls, clinics) should commence procedures to protect buildings, resources and people's safety.

The Disaster Management Co-ordinator will complete an assessment of the need for evacuation of Tava'enga and Kaumata villages in case of a storm surge/tidal warning and/or other flooding.

On completion of Green alert procedures ALL Shelters in the 3 villages should advise the Disaster Management Operation Centre (DMOC) that preparations in their villages are complete – if not – what immediate assistance they need.





4.2

ORANGE ALERT

Establish operations centre

ORANGE ALERT – DANGER

Action by: Mangaia Disaster Management Committee

The Island will enter an ‘**ORANGE ALERT**’ or ‘**CYCLONE WARNING**’ period when the Rarotonga Meteorological Service advises that a cyclone is expected to affect Mangaia within 24 hours.

The community will be advised by the Media Staff member of the Disaster Management Committee the following key messages via Mangaia TV and or SMS messaging -

- Stay indoors; close all doors, louvres or windows.
- Before the cyclone hits, disconnect electrical appliances and close-off gas cylinders
- Keep tuned to updates on Mangaia TV, mobile phones update or radio for further alerts. (A TV monitor and telephone and two-way radio should by now be placed in each cyclone shelter)

4.2 ORANGE ALERT - ESTABLISH OPERATIONS CENTRE

On receipt of an orange alert/cyclone warning the following people should report to the DM Operations Centre (DMOC) located at Telecom Office/TV station, to co-ordinate pre-emergency arrangements.

DMOC Staff, as follows -

- **The Disaster Management Co-ordinator** - to co-ordinate all emergency activity and maximise communications between the Operations Centre, the cyclone shelters, and support agencies
- **Cyclone tracking staff member** – to monitor the movement of the cyclone or tsunami via bulletins issued by the Fiji and Cook Islands Meteorological Offices and/or the Joint Typhoon Warning Centre (<http://www.usno.navy.mil/JTWC/>) or the Pacific Tsunami Warning Centre
- **Telecom staff member** – to monitor incoming phone calls / two way radio communications, assist with SMS texting and maintain internet connections
- **Media staff member/Mangaia TV** – to issue advice and warnings and updates from the Disaster Management Co-ordinator to the community via TV, radio and SMS texts

The Disaster Management Co-ordinator will ensure that all Mangaia Island Government and Health Department vehicles are fuelled and ready for emergency response – for example, evacuation of injured from outer villages to hospital or the airport.



4.3 **RED ALERT**

*When Cyclone is located
200 km from Mangaia and
impact appears likely*

4.3 RED ALERT

When Cyclone is located 200 km from Mangaia and impact appears likely

Action by: Mangaia Disaster Risk Management Committee

Activate Siren ongoing for 2 minutes as final warning

(NB, ensure in pre cyclone season testing that siren can be heard throughout the whole village)

All people should be safe in Shelters and Homes. Media staff member to advise people via Mangaia TV to -

- **TAKE SHELTER**
- Choose the safest place to stay during the cyclone. This should be done away from the line of windows and louvres.
- **STAY INDOORS** - this is the safest place.
- Beware the 'eye of the cyclone'. As this passes through, there is a period of calm. When the eye passes, the wind will completely change and come from the opposite direction. **STAY INDOORS** until this second wind subsides. Except in extreme emergency where relocation is necessary everyone is advised to - **STAY INDOORS**.
- If you evacuate to a public shelter, please take sleeping mats, blankets, books or

games, essential medicines and enough food for your family to last for the next eight hours.

- Stay tuned to Mangaia TV and Radio Cook Islands for weather updates.
- Do not overuse the mobile phone system as this is required for emergency traffic
- If the building you are living in begins to break up, protect yourself with a rug, mattress or blanket or shelter yourself under a bench or table. Wait for the danger to pass before seeking help.
- On completion of Red Alert procedures, all shelter committees, including those in Tamarua and Ivirua, and Departmental Heads should provide a situation report on their preparedness to the Oneroa Operations Centre. If they are not prepared, what extra assistance is required?

Other Support Units

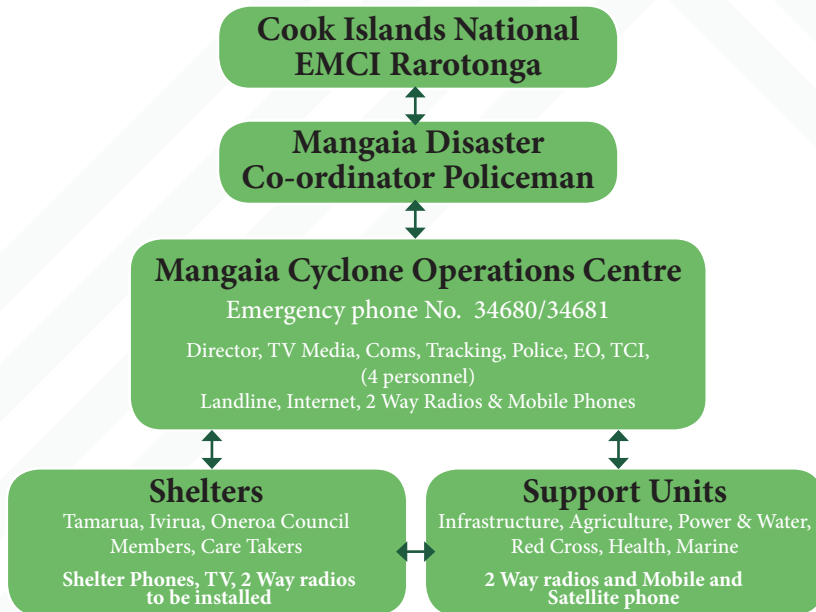
- Red Cross (satellite phone and post cyclone relief – ensure all equipment and backups such as batteries/equipment are operational); activate ‘buddy system’ for old, physically challenged, visitors and other vulnerable people.
- Doctor and Chief Nurse should be on standby, with emergency medical supplies and facilities ready and secure and backup systems in place
Note - No Medical Evacuation will be carried out during the Cyclone unless it is safe to do so for all parties involved. (On a per case basis)
- Health staff will be designated and stationed in Oneroa, Tamarua and Ivirua to attend and support emergency cases during the emergency.

Note: All available resources must be available to the Disaster Management Co-ordinator, whether private or Government. A community wide support system will help keep everyone safe during a cyclone/tsunami disaster zone.

If a Cyclone is expected to reach us at night, all preparations must be completed during daylight.

5. Stakeholders structure

Note: all requests for emergency assistance must be directed to Oneroa Operations Centre and then relayed onto Support Units and Shelters or vice versa.



6. Tsunami Procedure Guidelines

Note: there should be 6 designated people to activate sirens, 2 people per village for each of Ivirua, Tamarua and Oneroa.

The primary focus for concern will be evacuation of Kaumata and Tava'enga Villages and those living or working close by the sea including Island Administration, Infrastructure, etc. It is also important to alert the entire island population in case people are working or playing by the sea e.g. fishing, travellers on the sea roads or workers at the harbour or airport.

(1) Activate all Sirens in the three villages immediately five times as soon as the first warning is received. Church Bells can be an alternative if the Siren fails.

- (2) TCI to issue SMS alert immediately. “Tsunamimove to high ground immediately . . .assist old and vulnerable”
 - (3) Issue warnings on Mangaia TV if the station is broadcasting.
 - (4) Mangaia Disaster Operations Centre will be opened and staff should report for duty ASAP. Emergency Communication systems activated for all Support Units.
 - (5) All Support Unit members to report for duty. **Total evacuation and relocation will commence if living areas are in danger. The focus will be on evacuation of Kaumata and Tava’enga villages, Islands Admin, Infrastructure, the harbour area, including Mangaia Lodges and Babes Lodge**
- Cut loose all tied animals and evacuate if time permits

Note: If a tsunami warning is received at night, all residents must use neighbour-to-neighbour alert technique with particular focus on assisting the young, disabled and the aged.

The Mangaia Disaster Management Committee will work with Mangaia TV and Mangaia School to ensure that all Mangaians have a personal Tsunami plan in advance of any emergency. This will include advice to -

BE AWARE OF THE SEA. If you see something that you think is unusual, then it probably is. Respond immediately!

HAVE A FAMILY EVACUATION PLAN. Discuss your tsunami plan with your family and tsunami buddy, (a person you have specifically agreed to look after), agree to the plan, practice walking/biking to your pre-arranged safe location on the makatea.

ACT ON YOUR PLAN. Do not wait to be told what to do!

DO NOT TRY TO FIND ABSENT FAMILY OR BUDDIES. Remember, under your family plan, you have agreed to meet at a pre-arranged, safe location.

HAVE A READY BAG THAT INCLUDES ESSENTIAL ITEMS ONLY. A radio and torch (with batteries), personal medicines, anything of personal value (e.g., passport, family photos) etc. Keep your ready bag where you can easily find it when you evacuate.

GO IMMEDIATELY INLAND TO YOUR PRE-ARRANGED, SAFE LOCATION. Do not drive. Do not walk along the coast road. Go to high ground immediately. Stay at least eight hours or until the authorities advise that it is safe to return home.

7. After cyclone or tsunami has passed

The Media staff member/Mangaia TV will provide advice as follows; after the cyclone and tsunami have passed:

- Wait for the all clear to be given by the Disaster Management Operations Centre (DMOC) before moving away from shelters.
Don't go outside until officially advised that it is safe.
- Check for gas leaks. Don't use electric appliances if wet.
- Keep away from damaged buildings and trees.
- Keep children and young people away from high seas and flood waters.
- Take extreme care in recovering food or animals from flooded inland areas – do not allow children to dive for taro, swim in flood waters or the sea.
- Heed all warnings and don't go sightseeing. Check on and help neighbours instead.

Immediately after the cyclone has passed all homes should be checked for damage and casualties and details should be forwarded to the Operations Centre for local action and onward forwarding of relief needs to Rarotonga.

Action by: All

Red Cross – Relief efforts and Assessment of Damage.

Arrange inspection of the condition of the airport in case medical evacuations are needed.

Secure an exclusion perimeter around damaged buildings or trees.

Action by: MIA and Red Cross

Cleaning up of damaged buildings and infrastructure should be carried out as soon as possible.

Action by: Village committee assisted by all MIA staff

A general stand down of cyclone precautions shall be made.

Action by: All

Stakeholders debriefing after Cyclone and Tsunami

8. Mangaia Disaster Relief Effort Plan

Any major emergency disaster relief effort required for Mangaia will be delegated to the Mangaia Red Cross Branch, assisted by the Mangaia Disaster Management Committee. These relief efforts will focus on;

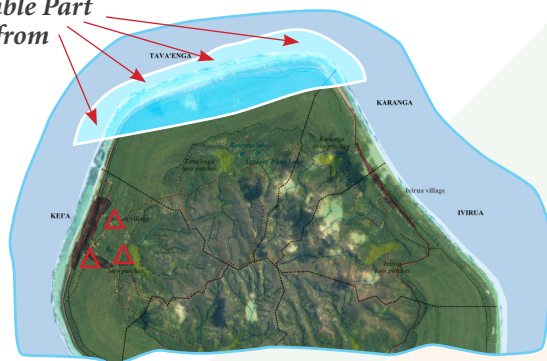
- **Emergency supplies of food and water**
- **Emergency medical supplies and personnel**
- **Emergency medical evacuation**
- **Any other Emergency relief operations and issues as required**

Mangaia Red Cross Branch will also play the lead role in identifying where relief supplies of goods and services are to be stored and distributed on Mangaia with the support of the Mangaia Disaster Management Committee and Mangaia Island Government.

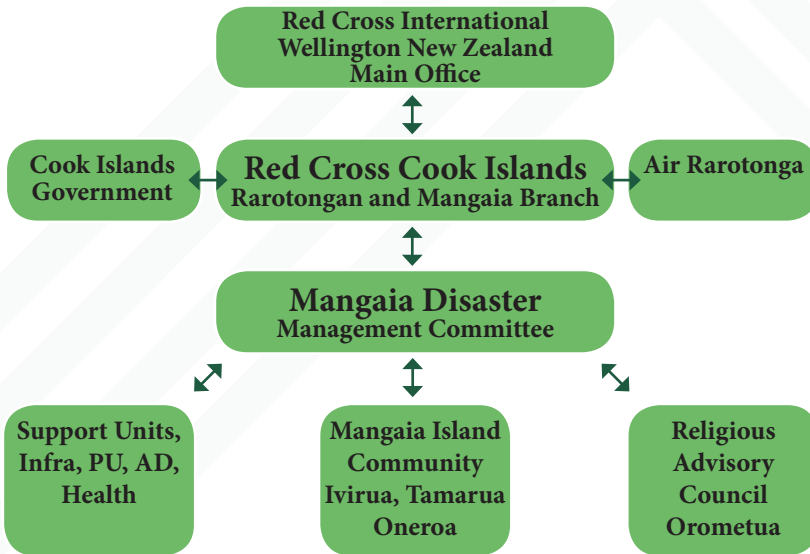
9. Mangaia Map Identifying Key Infrastructures

(Indicating villages, shelters, hospital, sirens, airport, harbour, and the most affected areas when cyclone hits Mangaia)

Most Vulnerable Part of Mangaia from Cyclones



10. Relief Structure



11. Resourcing the MDRM Plan

A preliminary assessment of the resources now needed to implement this plan was undertaken in June 2014. A total of \$78,000 is required as indicated below -

- Estimate cost of strengthening existing structures, installing window shutters, and providing reinforcement ropes to 9 designated cyclone shelters, 3 in each village - **\$27,000.00** (\$3,000 each)
- 2 x 6,000 litre polythene tanks for 9 public shelters - **\$36,000.00** (\$2,000 each)
- Safety equipment for all Support Units (water proof vest/jackets, helmets, chainsaw, shovels, ropes, gumboots, water-proofed torches) - **\$15,000.00**

