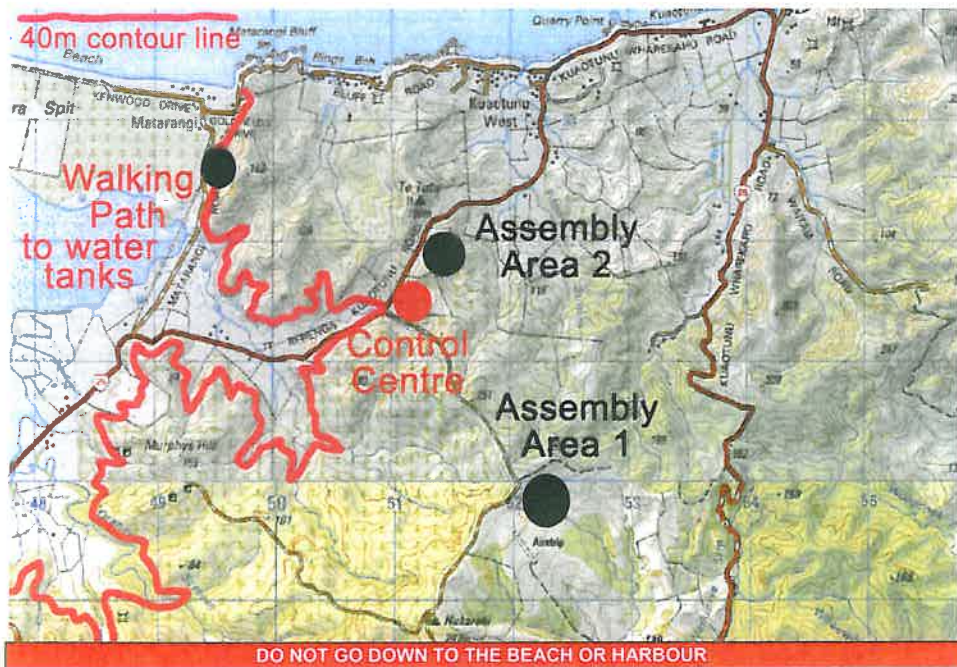


For further information and advice contact a member of your Matarangi Civil Defence Emergency Management Team as under:

Stuart Arnold 866 4559
Paul Shaw 866 5009

Ian Patrick 866 0751
Ian Hey 866 5574



Full size map is on display at the Fire Station and at the Matarangi Shopping Centre.

SUMMARY:

Distance Tsunami will result in an extended signal from your Fire Station. Listen to your radio station for further details and be prepared to go to HIGH GROUND above the 20 metre contour line.

There will be no warning for a near source Tsunami. If you note unusual behaviour in the tide, or experience a strong earthquake, go immediately to HIGH GROUND. Know where your nearest High Ground is and how to get there.

The following signs will assist you in the evacuation process. Eventually all Evacuation Routes and Assembly Points will be signposted. However that will not occur before this brochure is distributed.

KNOW WHAT TO DO



Radio Frequencies: **Coromandel FM** - Matarangi 94.1, Coromandel 89.1, Whitianga 90.6
The Breeze 96.6

TSUNAMIS ARE SURVIVABLE

People Caring For People

**THAMES VALLEY COMBINED CIVIL DEFENCE
EMERGENCY MANAGEMENT ORGANISATION**



MATARANGI COMMUNITY

Tsunami Action Plan



Matarangi Beach from the Bluff

**What Do I Need To Know
How Will I Know
What Do I Do**

(Important Information Please Retain)

People Caring For People



MATARANGI COMMUNITY TSUNAMI ACTION PLAN

A Notice to Matarangi Residents and Visitors

The Matarangi community, like most coastal settlements in New Zealand, is at risk from flooding from the sea and severe weather events. The purpose of this notice is to outline the 'Tsunami' risk as we understand it at this point in time. Studies are in progress and it could be that future modelling may indicate a lesser risk than that accepted at this time. Current research indicates that Gisborne and Whitianga are at most risk.

In the absence of more credible information we must take the worst case scenario and plan accordingly.

Tsunamis are survivable

In simple terms there are three things we need to know.

- What can happen?
- How will I know?
- What do I do?

Let's take each in turn using the exercise to ensure we have a plan in our minds and a determination to survive along with all other members of the community.

WHAT CAN HAPPEN?

Yes, you do live in an area subject to possible inundation from a tsunami event.

The low probability of such large events, usually several hundred years apart, is comforting, but the consequences of a tsunami impacting on our shores are severe.

There are two types of tsunami and we need to understand the difference.

- The first is known as a 'Distal' (distance) Tsunami. It occurs far away from New Zealand and may take from three to twelve or more hours to arrive. Pacific monitoring stations ensure that we have the maximum warning time possible, an indication of the wave height, an expected arrival time and likely areas of maximum impact.
- The second is a 'Near Source' Tsunami originating close to the New Zealand coast. As such there will not usually be time to issue a formal warning. Possible sources that will affect Matarangi are Mayor Island (20 minutes), to a lesser extent White Island or the Kermadec Trench (50 minutes).

HOW WILL I KNOW?

Distal (Distance) Tsunamis

The Pacific Tsunami Warning Centre (PTWC) in Hawaii effectively monitors all seismic activity in the region. Any earthquake over 7.8 on the Richter Scale is deemed a possible tsunami source. Information is immediately relayed to all member nations including New Zealand, indicating a possible Tsunami Alert. The situation is monitored further and a full Tsunami Warning is issued when it is known that a

wave has been generated. Further bulletins will provide information on expected arrival times and points of greatest impact.

Normally no action is taken until a wave has been confirmed. Remember that there is still adequate time available to warn and evacuate. However, events in May 2006 taught us that the international media now receives information direct from PTWC and commences broadcasts. Should you see or hear such a broadcast tune in to your local television or radio station where the latest information specific to our situation should be available.

When a warning is 'CONFIRMED' action will be taken to warn all communities at risk.

The following actions will occur at Matarangi.

- The Fire Siren will sound a continuous (non-oscillating) signal and continue for an extended period.
- The Matarangi Fire Force or the Fire Engine will be the command centre.
- Emergency Services will have been alerted by pager and will operate initially from the Fire Station and later from the Assembly Points.
- Your local communication plan will be activated and essential personnel deployed.
- Your Fire Appliances will travel through the town announcing the impending arrival and estimated time of a tsunami.
- Television and Radio will have constant updates on the situation.

Near Source (Local) Tsunamis

Your first and only warning of the likelihood of a local tsunami will be a major earthquake or signs of extreme activity, including the estuary suddenly emptying out. A mild earthquake is unlikely to generate a tsunami.

Note: *No formal warning is possible with a 'Near Source' (Local) Tsunami.*

WHAT DO I DO?

This is the important part. Knowing what to do will save your life and that of others near you.

It may be necessary to secure and leave your home within a short time frame. To do this you need to be aware of the information above and have made a 'Plan' to survive.

Each brochure will have with it a Civil Defence Emergency Management pamphlet entitled "Get to high ground or go inland" It is important that you read this for important information on basic tips and what is required for emergency survival.

You will need to find your own way to HIGH GROUND above the 20 metre contour line. You will appreciate that in Matarangi this is at the BLUFF end of the beach. (Note map refers to a 40metre contour line)

You will need to find your way to the Assembly Points off SH25 towards Kuaotunu as defined on the attached map.

A quick escape route is available on foot at the Bluff Hill towards the water tanks.

If you are disabled, have impaired hearing, or for any other reason may not be able to hear or react to a warning, please ensure your needs are known to someone. Consider a BUDDY system.

It is recognised that this may not be an easy situation for many. However, we are talking about a low probability but extreme event. You may be uncomfortable for a time but you will be alive.