

For further information contact a member of your Cooks Beach "Emergency Management Committee":

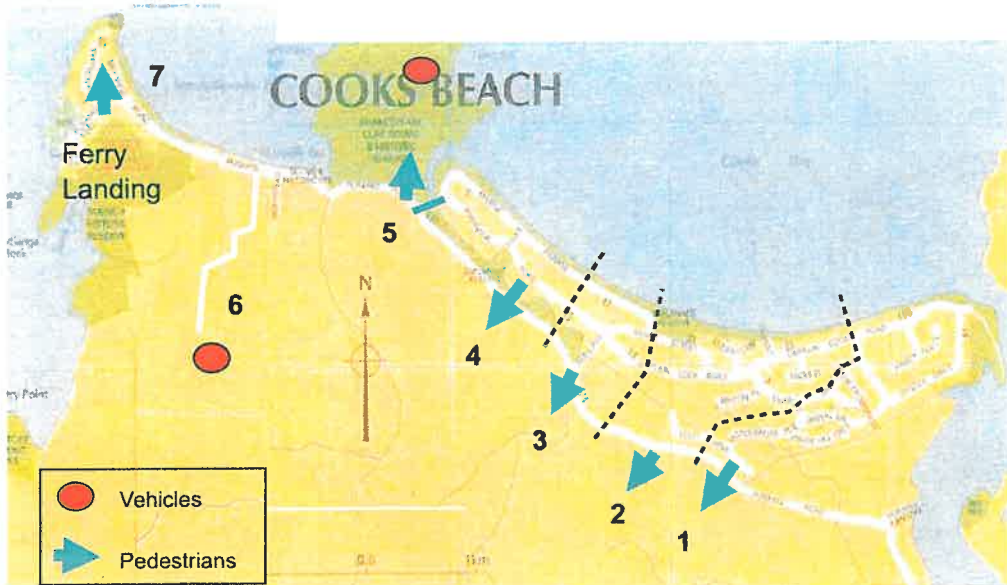
<b>CIVIL DEFENCE</b>	07 868 0200	<u>Mercury Bay South R&amp;R Assn:</u>	
Alan Mills (Fire Chief)	027 493 7413	John & Pip Whittles	021 374 217
Fire Station	07 866 5847	Sam Harsant	07 866 5642
		Rob Wigmore	07 866 0445



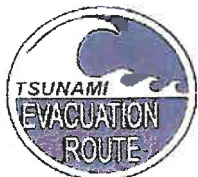
Full size maps are on display at:

- \* Fire Station
- \* Public Notice Boards
- \* Cooks Beach Store
- \* Ferry Landing Store

Know what can happen  
Know how you will know  
**KNOW WHAT TO DO**



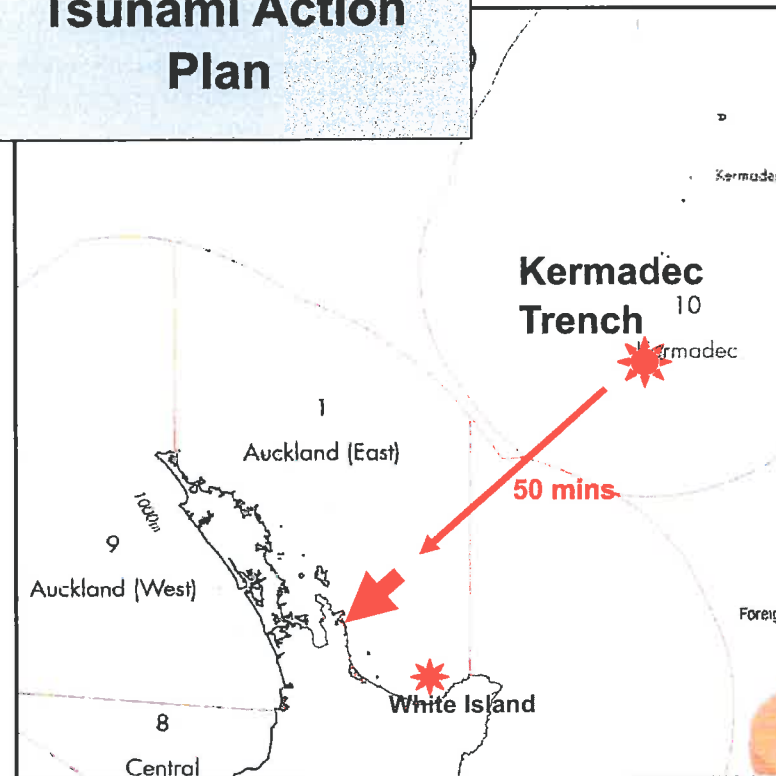
**Note:** Refuge 5 is a public reserve.  
All other refuge points are on private property and only to be accessed during a Civil Defence emergency.



**PLEASE DO NOT GO DOWN TO THE BEACH**

People Caring For People

## Tsunami Action Plan



## COOKS BEACH - FLAXMILL BAY - FERRY LANDING



People Caring For People



Last update; 31 October 2007

## TSUNAMI SURVIVAL PLAN for COOKS BEACH, FLAXMILL BAY and FERRY LANDING

Recent Geological Investigations have identified Mercury Bay as a HIGH tsunami risk. We are close to the Kermadec fault line which in time will generate a damaging Tsunami. In addition we are close to the volcanoes White Island & Mayor Island. Present information suggests a WAVE HEIGHT of 5 METERS across all low lying land to the foothills.

No-one knows when. BUT in time it will happen. The Indonesian Boxing Day Tsunami of 2004 reminds us we live in a high risk area.

We encourage you to read this and prepare your FAMILY SURVIVAL PLAN as an insurance.

### WHAT CAN HAPPEN?

**1. NEAR SOURCE TSUNAMI** Generated by an earthquake, underwater landslide or volcanic eruption off the New Zealand coast. Estimated wave heights of 5 metres (the height of a telephone pole) across all coastal land.. Tsunamis generated at the Kermadecs, traveling at up to 800 kms per hr, could arrive at our coast in 50 to 70 minutes.

*Your first and probably only indication of a local tsunami will be a major earthquake (one that is hard to stand up in), unusual noises or changes in the ocean (e.g. the ocean rushing in or out). A mild earthquake is unlikely to generate a tsunami.*

**2. DISTANT SOURCE TSUNAMI** Generated as far away as Chile & Japan. These waves would take some hours to reach New Zealand giving sufficient time to warn all residents in high risk areas.

### HOW WILL I KNOW?

**1. NEAR SOURCE TSUNAMI** - A noticeable earthquake jolt should be taken as a signal to make for HIGH ground. Should a tsunami be generated in the Kermadecs the 50-70 mins lead time may not be sufficient for Civil Defence to issue a warning. An eruption at Mayor or White Island would not allow any warnings to be issued with perhaps 20 to 30 minutes lead in time only.

**2. DISTANT SOURCE TSUNAMI** - Civil Defence will have time to issue a warning. COOKS BEACH and WHITIANGA FIREBRIGADE sirens will sound for a extended

period, (IN EXCESS OF 5 MINUTES). Brigade members will patrol using loud speakers to issue instructions. Turn on your RADIO/TV for updates.

### WHAT DO I DO?

- YOU MUST KNOW YOUR LOCAL TSUNAMI ACTION PLAN.
- KNOW YOUR NEAREST REFUGE POINT
- YOU AND YOUR FAMILY SHOULD HAVE PRACTISED YOUR ESCAPE ROUTE
- HAVE YOUR SURVIVAL KIT packed in a waterproof backpack and ready to go.

**1. NEAR SOURCE TSUNAMI** - You have from 20-70 mins to reach high ground following a significant felt **earthquake**. Prepare all family members. Have suitable outdoor clothing and footwear. Collect backpacks and leave.

- DO NOT USE VEHICLES IN THESE CIRCUMSTANCES.
- There may be 2000 vehicles trying to exit the Cooks Beach settlement and the result would be disastrous.

**2. DISTANT SOURCE TSUNAMI** - There should be some hours warning BUT listen carefully as lead times will vary widely dependant on the tsunami source.

- Follow instructions from Cooks Beach Fire Brigade, Police or Civil Defence staff.
- Listen to radio/TV updates, Coromandel FM etc.
- Prepare your family to escape with suitable clothing and Survival Packs.
- Efforts WILL be made to evacuate people & vehicles to high ground. (Note the Vehicle Refuge points on the Local Action Plan.
- Follow Civil Defence Instructions.
- DO NOT try to leave the area as roads could be blocked by traffic, landslips, flooding etc. You could also be heading into a higher risk area.

**SIGNAGE:** Eventually all 'Evacuation Routes' will be sign posted. However this may not occur by the time this brochure is distributed.



**ALL REFUGE POINTS** will be sign posted.

They are all (with the exception of No. 5 on Shakespeare Cliff Reserve) on private property and are for **emergency use only**.