

# TSUNAMI (Distant Source)

## What if?

A magnitude nine earthquake has occurred in Chile, South America. Several hours following the earthquake, reports confirm that a five metre tsunami is heading towards the east coast of New Zealand. The Civil Defence and emergency services are now in the process of warning residents that are likely to be affected and need to evacuate via loud speakers, radio stations and door knocking.

## Consequences:

Approximately seven hours after the evacuation notifications began, the five metre tsunami reaches the east coast of the Wellington Region. It is likely that the coastal towns of Riversdale and Castlepoint will be greatly affected. In addition, the south and west coasts experience significant flooding and erosion. Water supplies may be contaminated and some buildings and infrastructure may be permanently destroyed. Loss of life and injury could also occur.

## **“My family will survive a disaster... Will yours?”**

Prepare to look after you and your family by:

- Storing emergency water (at least 3 litres per person per day)
- Having emergency survival items
- Having a household emergency plan (including evacuation plan)
- Listening to the radio for official information and updates.



WELLINGTON REGION  
EMERGENCY MANAGEMENT

GROUP

[www.wrcdemg.govt.nz](http://www.wrcdemg.govt.nz)

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# EARTHQUAKE

## What if?

At 10am the 'big one' occurred on the Wellington Fault - a 7.5 magnitude shallow earthquake with the epicentre in Petone. Severe ground shaking occurred for at least 45 seconds. Aftershocks will continue for many days, weeks and even months.

## Consequences:

A major earthquake in the Wellington region will have major consequences. It is possible that thousands will be injured and hundreds of people will die. Many essential lifelines such as water, sewage and gas will not operate for a long period of time. Transport into and around the region will prove extremely difficult due to the lack of access to roads. Emergency and welfare services will be stretched beyond their limits. Many families will be separated and won't know how to find each other because they were not together when the earthquake occurred.

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- Having emergency survival items
- Having a household emergency plan
- Listening to the radio for official information and updates.



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# FLOODING

## What if?

Over the past few days the Wellington region has experienced heavy rainfall which is set to continue for at least the next 48 hours. The rivers in the region are experiencing very high flows, and the possibility of widespread flooding is high. Civil Defence and emergency services are now in the process of warning residents that are likely to be affected and need to evacuate via loud speakers, radio stations and door knocking.

## Consequences:

The impact of this type of flood event will be region wide and could result in the loss of property and/ or the loss of life. Thousands of residents in the Hutt Valley, Kapiti Coast and Wairarapa will need to evacuate and relocate to temporary accommodation. Towns across the region will be isolated, water supplies could be contaminated, electricity and telecommunications could be disrupted and significant damage to roads and bridges is likely.

## **“My family will survive a disaster... Will yours?”**

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# LANDSLIDE

## What if?

A large storm in the Wellington Region had led to many landslides of various sizes across the region.

## Consequences:

Some of the landslides could block essential roads such as State Highway 1 and State Highway 2 for a period of three to four days. Some urban roads are likely to be blocked for longer periods. Properties may be destroyed with some people unable to return to their homes for days. Due to the rainfall, flooding is likely across the region adding to the impacts of the landslides.

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- Having a household emergency plan
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# PANDEMIC

## What if?

A case of 'bird flu' has been confirmed at Wellington Hospital. Within six months, thousands of people are infected and hundreds die. All health services and hospitals are overwhelmed. Many health practitioners are affected and unable to provide services.

## Consequences:

There could be difficulty with the operation of water treatment, sewage plants and other essential services due to reduced staff availability. The transport of food and supplies to and within the region is also likely to be disrupted due to driver shortages. Assistance from outside the region proves difficult as it is likely the whole of New Zealand will be affected.

## **"My family will survive a disaster... Will yours?"**

Prepare to look after you and your family by:

- Storing emergency water and food (at least 3 litres per person per day – more is better)
- Having emergency survival items
- Having a household emergency plan
- Listening to the radio for official information and updates.



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# STORMS

## What if?

Ex-tropical cyclone Juliet has hit the Wellington region resulting in heavy rain, severe gales, hail, lightning, extreme cold, high waves and storm surges.

## Consequences:

Ex-tropical cyclones could cause disruption for the duration of the storm and also during the clean-up. There is likely to be physical damage to properties across the region. The region's eastern and western corridors are likely to be blocked due to landslides and storm surges. Telecommunications and electricity could be disrupted, water sources may be contaminated, and storm water drainage may fail in some areas.

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