

Understanding the Tsunami Risk at Hobsonville Marina

What is a tsunami?

A tsunami is a wave(s) caused by sudden changes to the seafloor which can cause the ocean to flow away from the disturbance and result in a wave(s).

These can travel hundreds of kilometres until they strike land.

What area at Hobsonville Marina has been identified as being potentially at risk during tsunami?

Auckland Emergency Management (Civil Defence) has prepared the attached maps showing the potential risk areas.

How will we know when it happens?

Auckland Emergency Management (Civil Defence) has a series of tsunami signals, including one for at the marina. More information can be found at:

<http://www.aucklandcivildefence.org.nz/alerting/tsunami-sirens/>

How does this compare to other areas of Auckland?

There are a number of other areas in Auckland that are potentially at risk during a tsunami. For comparison the whole of the area developed for Wynyard Quarter and the CBD has the same risk.

Where should we go if we hear a tsunami warning?

If the Evacuation Signal is heard in the marina, people should evacuate to the nearest high ground, which is at the top of Clearwater Cove above Reflection Drive.

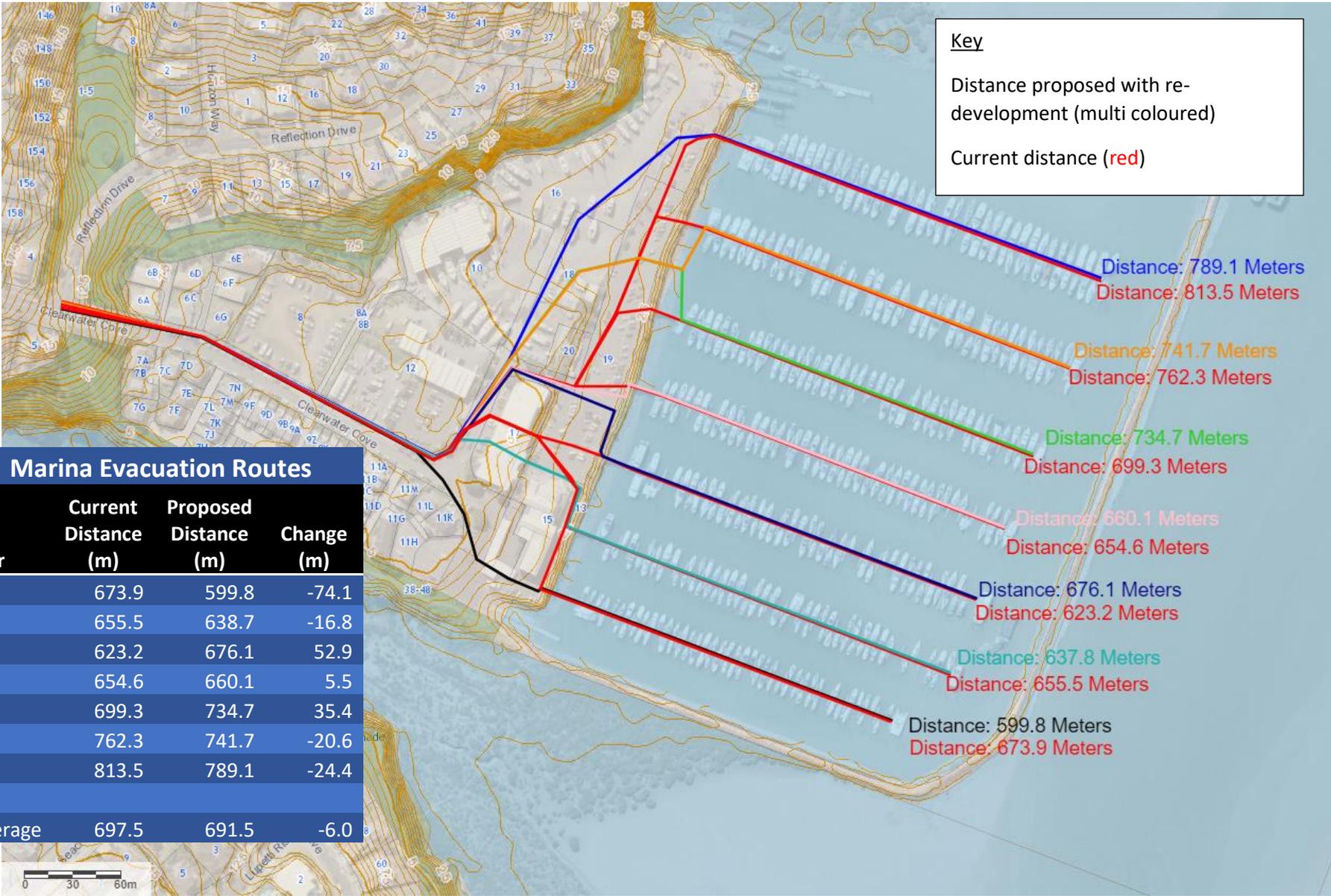
How will the proposed redevelopment effect the tsunami risk?

The proposed redevelopment will affect the evacuation path available to some people in the event of a tsunami. It will lengthen the path for some people and shorten the path for others.

The attached plan shows current and proposed routes for the evacuation from the end of each pier and the total length of the paths. Overall the proposed change results in a small decrease in the average path distance.

“For comparison the whole of the area developed for Wynyard Quarter and the CBD has the same risk.”

Tsunami evacuation route



Tsunami evacuation zones West Harbour, Map 147



TSUNAMI EVACUATION

Evacuate via the routes drawn on this map
Follow signed routes where present
Walk quickly if possible, drive only if essential. If driving, keep going once you are well outside of all evacuation zones, to allow room for others behind you.
The first waves may not be the largest.
Large waves may come after a series of small waves. The largest waves from distant sources may take many hours to arrive.
There may be multiple waves separated by up to an hour, or more.
Stay out of evacuation zones until given the official 'all-clear'.
Stay away from the Red Zone for 24 hours after any tsunami warning, even small waves can be dangerous
Warning may also be through siren, telephone, txt, loud hailer or other local arrangements.

WARNINGS AND RESPONSE

In the case of a large earthquake (one it is hard to stand up in), unusual noises from the ocean, or changes in the ocean (e.g. the ocean rushing in or out), or you feel a weak rolling earthquake that lasts for more than a minute.
Evacuate all zones. A wave may arrive within minutes or take more than an hour to arrive.
Official: Evacuate from the zone(s) stated in the warning and stay out until the official 'all-clear' is given. The official warning source is local Civil Defence, and their warnings may come to you via NZ TV/Radio broadcasts, mobile app alerts and emergency services. You may receive warnings from only one, or several sources. Don't wait.
Informal: Warnings from friends or other members of the public may be correct. Consider evacuating from all zones. Verify the warning only once evacuated or on-route if it won't delay you (via NZ TV/Radio broadcasts, local Civil Defence and emergency services).

EVACUATION ZONES

- Red Shore Exclusion Zone
- Orange Evacuation Zone Orange
- Yellow Evacuation Zone Yellow

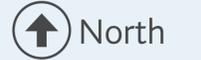
Natural or informal warning signs:
Evacuate all zones

Official warning:
Evacuate zone(s) stated in warning

Disclaimer: Please note that the margins of evacuation areas are indicative and are not specific to property level.



Tsunami evacuation zones CBD, Map 149



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