



Photo supplied by Leese Rio

Bay View and Surrounding Areas Community Resilience Plan

For the communities of Tangitū - Bay View, Eskdale, Petane, Whirinaki and Tangoio

KEY MESSAGES

There will be NO warning siren for tsunami.

Drop, cover, and hold in an earthquake.

If an earthquake is long and strong – GET GONE.

Know your evacuation route – it is better on foot, if possible.

Have your grab-bag ready.

Make sure your neighbours are okay and taking action.

Updated July 2021. To be reviewed within two years.

Supported by



For further information contact enquiries@hbemergency.govt.nz

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Introduction

Resilient communities:

- understand the risks they face,
- have reduced these where possible,
- are prepared to use local resources and expertise before, during and after an emergency,
- and can adapt and grow following a crisis.

This Community Resilience Plan (CRP) has been developed by residents and businesses of Tangitū (the traditional Maori name for the communities of Bay View, Eskdale, Petane, Whirinaki and Tangoio), as a strategy to develop and increase our resilience.

Purpose

This plan describes:

- our community,
- our hazards,
- the potential impacts we may face,
- and what resources we may have available to us to respond to an emergency..

It aims to make residents better prepared in the event of an emergency to take independent action to look after ourselves.

There is a high chance our community may be isolated following a major emergency.

However, we will not be on our own – we will be with our friends, family, co-workers, and neighbours. In an emergency, the people in our community will want to come together to assist one another. This plan helps to coordinate and speed up this process.

Contact

Hawkes Bay Civil Defence Emergency Management Group
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enquiries@hbemergency.govt.nz
Facebook: [facebook.com/hbemergency](https://www.facebook.com/hbemergency)

Description of the Community

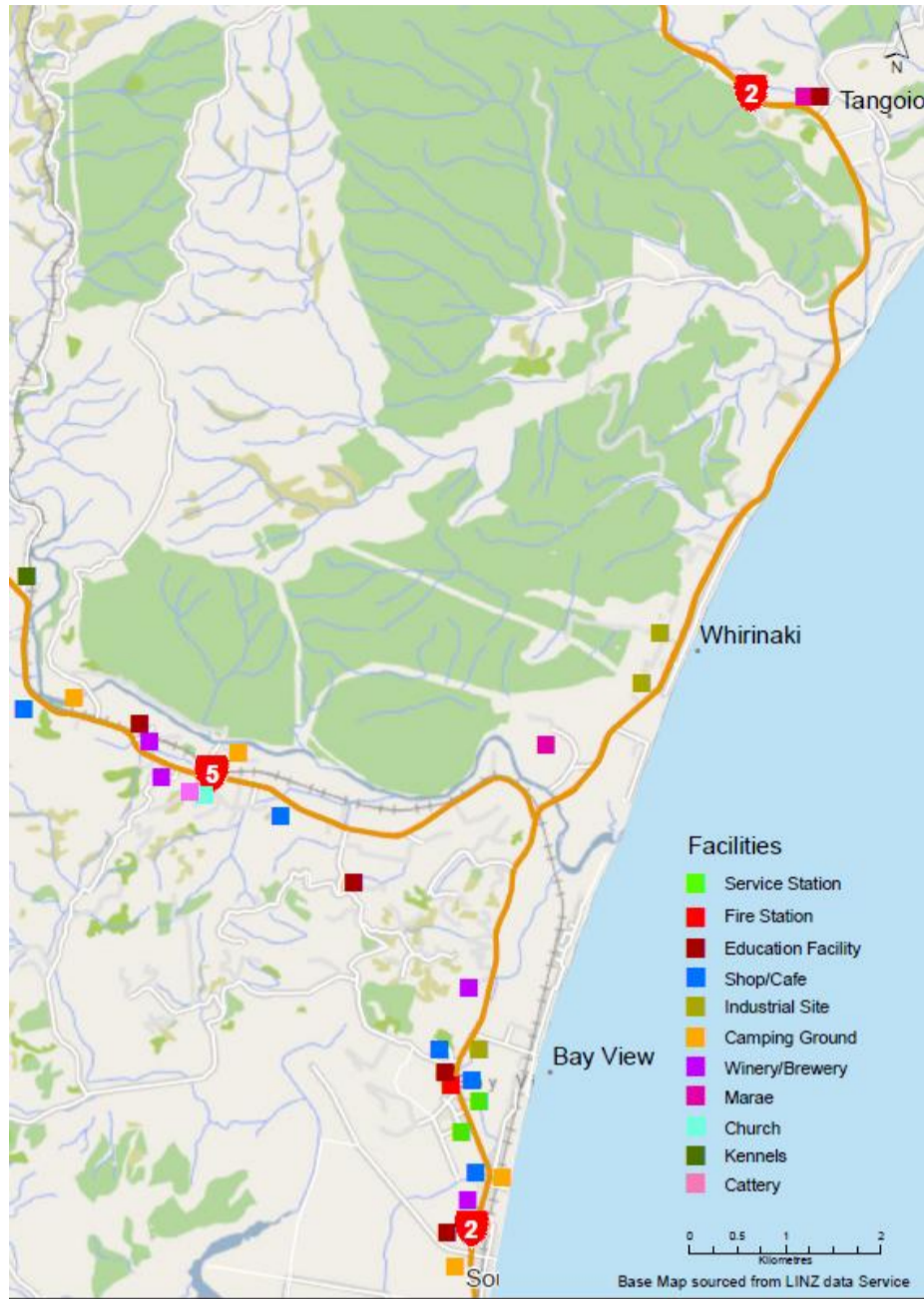
Tangitū is comprised of four distinct communities (Bay View, Eskdale, Tangoio and Whirinaki). The Tangitū community has a wide variety of residents. There are families who have lived in the area for generations, and those who have recently moved from other areas and from overseas. Many residents work at the Pan Pac Mill in Whirinaki, or in town Hastings and Napier. Many high school students commute into Napier by bus for schooling. Recently a public bus service was extended to include Bay View. The Tangitū community is serviced by the Bay View village, which has a Volunteer Fire Brigade, community constable, kindergarten (licensed for 30 children) Four Square, take away food outlet, pharmacy, hotel, hairdresser and two other businesses.

Bayview runs along the coast north of the Hawke's Bay airport to the Esk River, and inland, nestling around Bay View village. In 2013 Bay View had just fewer than 2000 residents. Besides the services in the village, located within Bay View are three fuel stations and a mechanical workshop, three camping grounds (one with a café), three fruit and vegetable shops, two wineries, a juice factory, a sports park housing soccer, rugby and tennis clubs, a nearby pistol range, lawn bowls club, and a community playgroup. Many Bay View primary school children attend Eskdale School, however, a small number commute to Napier schools.

Eskdale is a rural area inland from Bay View, made up of both working farms and lifestyle blocks, with some new housing sub divisions. At the foot of the Eskdale hills is the Esk River. Located in Eskdale is a church, wineries, a brewery, fruit and vegetable shops, Eskdale Primary School (approximately 260 students) and Hukarere Girls College (a Māori girls boarding school with approximately 90 students).

Whirinaki runs along the coast north of the Esk River and is therefore separated from Bay View and Eskdale by the river. The coastal residents are separated from the Pan Pac Forest and Mill and the Whirinaki Power Station by State Highway 2. Whirinaki is a seaside settlement with no footpaths, shops or facilities. There are a few bachs, but most residents are permanent. Also located in the bounds of Whirinaki is the Petane Marae and the Hawke's Bay Mountain Bike Park, celebrating around 60kms of mountain bike tracks.

Tangoio is a rural community built on a low-lying flood plain. There are no shops or services, and most residents are tangata whenua and lifestyle block owners. Tangoio beach is now being developed with up to 40 new dwellings. Located in Tangoio is Tangoio Marae which has a Punanga Te Wao Kohanga Reo (licensed for 18 children) which brings children in daily from Napier.

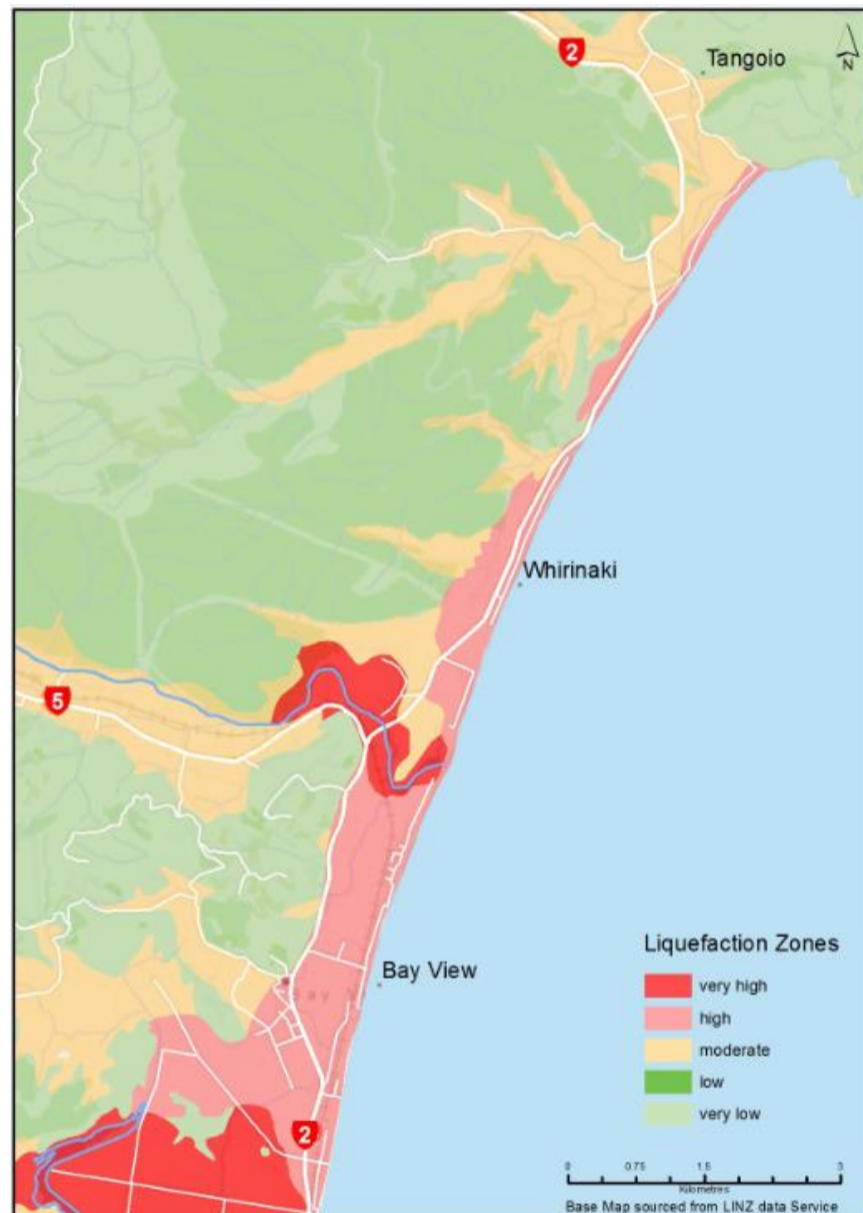


Map A: Tangitū Facilities

Hazards and Implications

Earthquakes:

- In an earthquake, **DROP** where you are (under a piece of furniture if less than a few steps away), **COVER** and **HOLD** your head (or hold onto the furniture if sheltering under something) **until the shaking stops**. Be prepared for ongoing aftershocks.
- Earthquakes happen without warning.
- Liquefaction is highly likely in our area (see Map B). Liquefaction damages roads and bridge ramps. You may not be able to return home or leave the area.
- All residents and staff of local businesses should have household plans in place to manage collection of children, and alternate household meeting places, in case your access route is damaged.
- Workplaces should have an emergency response plan and a business continuity plan.
- Visit getready.govt.nz/emergency/earthquakes for more information about how to prepare for earthquakes.



Map B: Tangitū Liquefaction Zones

Tsunami:

- There is no time for an official warning or managed evacuation for a local source tsunami. There will be NO warning siren.
- People in tsunami evacuation zones (red, orange, and yellow zones) need to be ready to self-evacuate following an earthquake.
- If you feel a Long (over a minute) or Strong (difficult to stand up in) earthquake: Drop, Cover and Hold.
- Once the shaking stops, quickly get to a safe location uphill or inland, preferably by foot or by bike. Due to liquefaction and traffic congestion this is safer.
- Whilst evacuating, make sure your neighbours and others close by know what to do and are taking action. This could be done by sounding car horns, speaking to neighbours, using social media, or texting.
- When evacuating, look out for damage to roads and bridges, fallen electricity lines and chemical substance leaks.
- Listen to the radio, monitor the hbemergency.govt.nz website or facebook.com/hbemergency for updates.
- Continue to monitor the situation as things can change due to aftershocks and new information comes to light.
- **There are no houses located in the red zone. If an alert is downgraded to a beach threat only (red zone), all residents may return home.**
- All workplaces and households should have an evacuation plan. You should have a grab bag with basic items for quick evacuation and test your evacuation route.
- Map C shows the evacuation zones for the Bay View and surrounding areas. There are more detailed tsunami evacuation maps at the end of this plan (appendices 1 – 5) or use the Hawke's Bay Hazard Information Portal: www.hbemergency.govt.nz/hazards/port.
- Whirinaki and Petane have official tsunami evacuation routes in place, but these are not yet in place in Tangoio or Bay View.

Red Zone

This zone covers the beach, foreshore and marine environment close to shore, which should be evacuated in any tsunami threat to the Hawke's Bay coastline

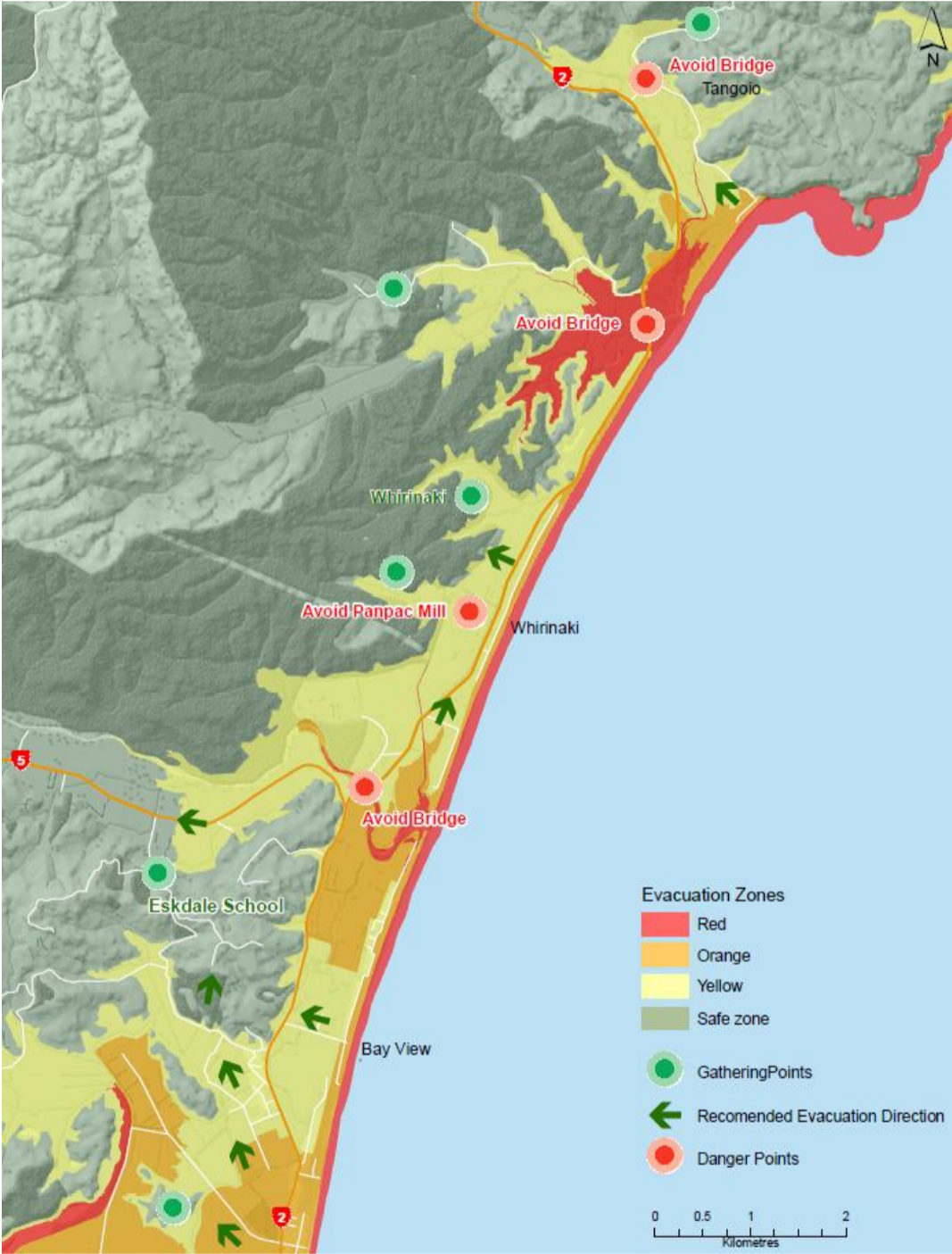
Orange Zone

This zone (+ Red Zone) would be evacuated by Civil Defence officials if it was confirmed that Hawke's Bay had a major threat from a distant source tsunami, such as from Peru or Chile, and where there is time for official warnings.

Yellow Zone

All zones (including yellow) should be self-evacuated by all people if a long or strong earthquake has been felt. It is the maximum area to evacuate should a large tsunami be generated close to New Zealand - a near source.
There is no time for official warnings.

Tsunami Evacuation Zones



Map C: Tangitū Tsunami Evacuation Zones

Flood:

- In the event of a flood, keep up to date with forecasts and official information and be prepared to evacuate.
- Do not attempt to drive or walk-through floodwaters.
- Do not drink floodwater as it may be contaminated.
- Map D indicates the flood zones. Residents living in the community of Tangoio, in the vicinity of the Esk River and on the outskirts of Bay View are in a flood zone.
- There are more detailed flood zone maps at the end of this plan (appendices 6-8).



Map D: Tangitū Flood Zones

Storm:

- Secure outside items and keep up to date with forecasts and official information.
- Electricity may be compromised, and the impact of this needs to be managed at a household level until power can be restored.

Human pandemic:

- In the event of widespread illness in the community, residents will be advised to limit movement and stay in their homes.
- Have enough masks and means of cleaning your hands at home and at work.
- Pandemic events are managed by the District Health Board.

Volcanic ash:

- The impacts of volcanic ash could be difficulties with breathing, loss of electricity, damage to vehicle engines, damage to roofs, and impact on the agricultural, horticultural, and viticultural industries.
- Have enough masks in your house or workplace for everyone there.
- Seal windows and doors and shut off air conditioners.
- Avoid driving.
- If outside during ash fall, use a mask, handkerchief or damp cloth and seek shelter.
- If you use rainwater collection for your water supply, disconnect the tank.
- Seek the right advice on the removal of ash.

Chemical substance:

- People will either be evacuated or advised to seal windows and doors and turn off air conditioning units.
- Chemical substance events are usually managed by the Fire Service.

Landslide:

- Landslides may make roads unpassable and alternative routes may need to be used.
- Caution should be used when using roads prone to landslide or rock fall following a large storm or earthquake.
- Watch for warning signs such as small slips & rock falls, cracks, tilting trees or fences.

Fire:

- Be aware of fire restrictions. Rural rapid numbers should be clearly displayed, and driveways maintained to permit access. Any fire event is managed by the Fire Service.
- Any community faces an urban fire risk, but there is also a forest fire risk in the Esk and Tangoio forests.

Visit: www.hbemergency.govt.nz is the best source of information for local hazards and hazard maps.

Warning Systems

- Long (over a minute) or Strong (difficult to stand up in) earthquakes.
- Unusual sea behaviour, such a sudden sea level fall or rise, or the sea is making loud and unusual noises, especially roaring like a jet engine.
- If the earthquake is distant there is likely to be enough time for the National Emergency Management Agency (NEMA), following GNS advice (in Wellington), to be able to send an alert to your phone. Once the first one is sent, HBCDEM follow up with local information.
- Fire siren in Bay View alerts volunteers to respond to fire and emergency's (FENZ) normal calls and only during day light hours.
- Informal warnings from family, friends, and social media.

Communication Systems

- In a Civil Defence emergency telephone and internet networks should be the primary means of communication (if they are operating).
- In a major event, send texts rather than making phone calls so that the cellular network is not overloaded.

For information and advice, visit:

- Hawkes Bay Civil Defence Emergency Management Website [Hawke's Bay Emergency Management | New Zealand \(hbemergency.govt.nz\)](http://Hawke's Bay Emergency Management | New Zealand (hbemergency.govt.nz))
- Facebook: Hawkes Bay Civil Defence Emergency Management [HB Civil Defence Emergency Management Group | Facebook](https://www.facebook.com/HB-Civil-Defence-Emergency-Management-Group/)
- Facebook: Bay View Community Plan Tangitū Baywatch: [Bay View Community Plan - Tangitū Bay Watch | Facebook](https://www.facebook.com/Bay-View-Community-Plan-Tangitu-Bay-Watch/)
- Facebook: Bay View Eskdale Whirinaki Community [Bay View, Eskdale, Whirinaki Community | Facebook](https://www.facebook.com/Bay-View-Eskdale-Whirinaki-Community/)

Listen to the radio

- 630 AM or 101.5 FM (Radio NZ National).
- 1278 AM or 90.3 FM (Newstalk ZB).
- 1368 AM or 106.4 FM (Radio Live).
- 88.7 FM (More FM).
- 89.5 FM (Classic Hits).
- 97.5 FM (The Breeze).

VHF Radio:

- Located at Eskdale School and Hukarere Girls College.
- The community constable and Fire Station have VHF radios.

Community-Led Gathering Places

- Community-led gathering places may be established for people to get information, support one another, and to coordinate a response to the needs of the community.
- Before using any location as a community-led gathering place, ensure the site is safe to use.
- Talk to others and check local Facebook pages for information.
- Clarify what is known and what needs to be known.
- Identify what resources there are and what is needed.
- Ensure communication is occurring with Civil Defence, so they know what is happening in the area and can give assistance and support.
- Eskdale school is identified as a safe place to gather for a tsunami and flood evacuation.

Civil Defence Centres

- If the needs in the community are greater than the community can manage, a Civil Defence Centre (CDC) may be set up.
- These are run by Civil Defence but It may take time for a CDC to be set up, and the location of a CDC is dependent on resources and priorities.

Resources

Resource availability will be dependent on the type, scale, and time of the event. Potential local resources are listed on the following page. Access to resources may only be possible when/if the people with permission to use the resources being present. Local businesses' first priority will be looking after

their staff. Local response services (police and fire) will be directed by emergency services and may not be available to be part of a community-led response.

Table One: Community Resources

Resource	Capacity
Household emergency plans	Families know where to meet if they can't get home and where to go if they need to evacuate
Hill roads – Hill Road, Kaimana Rd, Terrace Rd, Kaiangaroa Place, Maharamatanga Walkway, Panpac Forest	Tsunami evacuation points
Esk River	Water (should be boiled for over a minute)
Petane Domain	Large space, good parking
Soccer, tennis, rugby, bowls clubs	Showers, kitchen, large space
King George Hall	Large space, kitchen
Petane Marae	Large space, large kitchen, mattresses, showers
Tangoio Marae	Large space, large kitchen, mattresses, showers
Eskdale Church	Large space, kitchen
Hukarere School	Large space, parking, dormitories, kitchen, defibrillator
Eskdale School	Large space, kitchen
Eskview Kindergarten	Large space, kitchen
Punanga Te Wao Kohanga Reo	Large space, kitchen
Eskview Community Playgroup	Large space, kitchen
Bay View Four Square	Food and bottled water
Bay View Pharmacy	First aid and medical supplies
Bay View Hotel	Car Parking, commercial kitchen, large space
Snapper Park, Bay Holiday Park, Bay View Holiday Park, HB Caravan and Camping Club, Eskdale Holiday Park	Accommodation, cooking facilities, large spaces. Snapper Park also has a cafe
Pan Pac Mill	Generators, machinery, tractors, trucks, chainsaws
Bay View Pump and Electrical	Generators, knowledge of water systems
Aubernee and Beauchamp Kennels and Eskdale Cattery	Able to house dogs and cats
Linden Estate, Esk Valley Wines, Crab Farm	Stored water, large spaces, tractors, tools. Linden Estate and Crab Farm also have commercial kitchens
Zeelandt Brewery, Simply Squeezed	Stored water, large spaces, tractors, tools
Fuel stations	Fuel, mechanical expertise
Ericksen Honda	Quad bikes, mechanical expertise, tools, generator
Bay View Seafood	Commercial kitchen
The Orchard Store, Berry Tasty, Taste of Summer, Eskdale Orchard	Food
Doctors/nurses/pharmacists in community	Medical assistance
Trades people in the community (electricians, builders, mechanics)	Fixing and helping with repairs or rescue
Counsellors/social workers, 'people-people' in the community	Supporting people experiencing stress
Businesspeople in the community	Assisting in leadership and logistics in a response
Teachers in the community	Helping with children and young people following an emergency event
Homes in the community	Providing accommodation to evacuees and people unable to get home
Kaiangaroa Place	Emergency / standby generator

Health and Safety

- Assuring personal safety is the priority for all members of the community. Nominating a person to oversee health and safety at the onset of undertaking a community-led response should be one of the first things you do.
- All actions undertaken are voluntary and at the discretion and risk of those involved. In the event of the community leading a community response to an emergency, as the 'work' is for a community purpose and everyone is volunteering, there is no liability for any individual under the Health and Safety in the Workplace Act (2015).

Costs Incurred

- Civil Defence can reimburse reasonable and necessary expenses directly related to responding to an emergency event. However, **the spending of money must be pre-approved**. Civil Defence may authorise the spending of money to assist the response (receipts must be provided) or arrange a credit line with a retailer to provide resources.

Recovery

The things that we value about the community are:

- a strong sense of community – friendly people – small-community atmosphere.
- having a school located in the community.
- walks and mountain bike tracks in the forests.
- good services such as: a bus service, shops, cafés, pharmacy, hotel and sports clubs.
- the beautiful, diverse landscape – uncrowded beaches, being rural/semi-rural.
- the range of resources located within the community.
- local businesses being community minded.

Some suggested improvements are:

- electricity cables be put underground.
- main road re-directed so that it does not cut the Bay View community in half.
- central community hub - better public space in the village.
- raise the level of roads that flood.
- a school that children can bike or walk to and a day-care centre.
- improved toilet facilities in the village and at Whirinaki (these may have been recently improved).
- better mobile phone coverage (specifically for Tangoio and Esk Valley?).
- more community events and get-togethers.
- tourist attractions - Wairoa train line reopened.
- bridges strengthened - footpaths and upgrades on beach roads.
- a bike path to Whirinaki and up the valley - clip on bike/pedestrian path on bridge. (This is in the rotary plan. Planning and community consultation stage).
- speed limits lowered through Bay View and Whirinaki.
- pedestrian crossings/over-bridge on main roads.

Rebuild of Napier Central Business District.

- A predominant theme was to rebuild as an eco-city. Some felt that art deco as a tourist attraction is good for the city and should be retained. Others felt it would lose its authenticity, but you might get away with it with a strong 'retro' design.

Forward Work Plan

The following have been identified as projects that could increase the resilience of the Tangitū community.

Table two is separated into agreed actions and desired items

Table two: Agreed Projects for Increasing the Resilience of the Tangitū Community

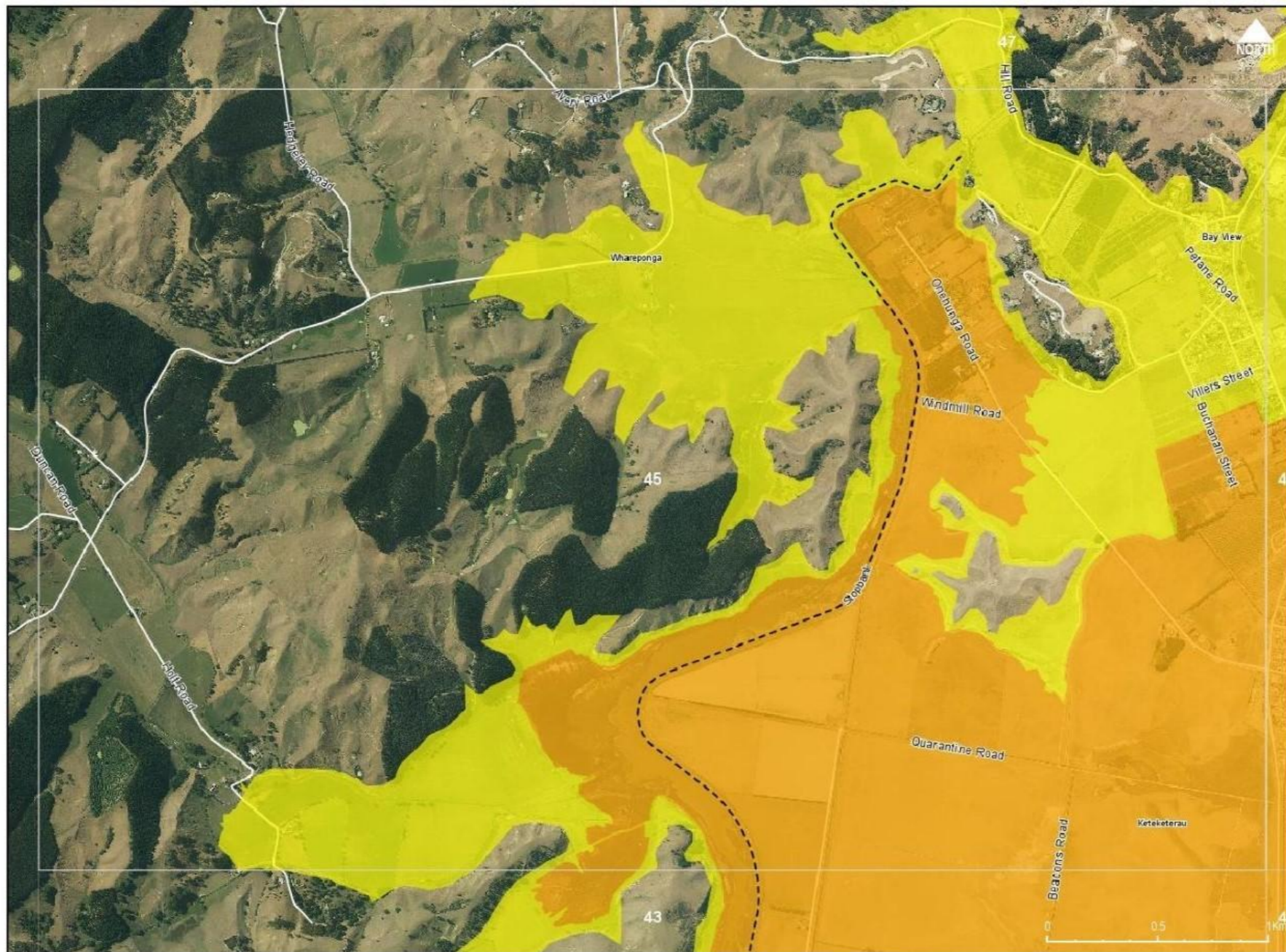
Project	Notes	Who
Tsunami evacuation routes	To safe locations	HB CDEM
Tsunami evacuation signs	Showing where the routes are	HB CDEM
Tsunami zones information board	Showing where the zones are and what they mean	HB CDEM

- Projects that are related to the local Civil Defence work programme will be carried out with the support of, or in collaboration with, local Civil Defence Emergency Management Advisors.
- Other projects may be carried out by individuals and groups in the community and may be supported by other council teams such as the community development team or district or town planning team.
- Funding for projects will be covered by local council where it falls in their work programme.
- Other projects may require fundraising or the application for funding from other areas.

Table three: Desired items for Increasing the Resilience of the Tangitū Community

Project	Notes	Who
Health centre (doctor, physio, homoeopath)	Medical facility for community use	DHB
Community swimming facility	So, children can learn to swim and provides physical and social activity for community well-being.	Napier City Council
Motor cross track	Would be well-used and could add economic value	Napier City Council
Annual Christmas party	Potluck at Eskdale Park, for example	Residents

Cycle tracks	To Whirinaki and into Eskdale	HBRC and Rotary
Security cameras	To deter criminal activity	Private companies
Defibrillator being installed	TBC	TBC



Evacuation Zone Legend
 ■ Foreshore Risk
 ■ Distant Source Risk
 ■ Local Source Risk

**IN A LONG OR STRONG EARTHQUAKE (Longer than a minute or hard to stand up)
 IMMEDIATELY EVACUATE ALL ZONES**

**Hawke's Bay
 Map 45**

TSUNAMI EVACUATION ZONE

TSUNAMI EVACUATION

Walk/run/bike quickly if possible, drive only if essential. If driving, keep going once you are well outside of evacuation zones, to allow room for others.

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.

TSUNAMI WARNING AND RESPONSE

Warnings about a possible tsunami can be natural, official or unofficial.

Natural: Warning signs in a local tsunami are: 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 immediately. A wave may arrive within minutes or take more than an hour to arrive.

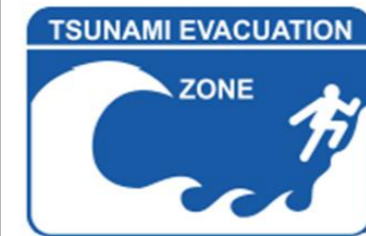
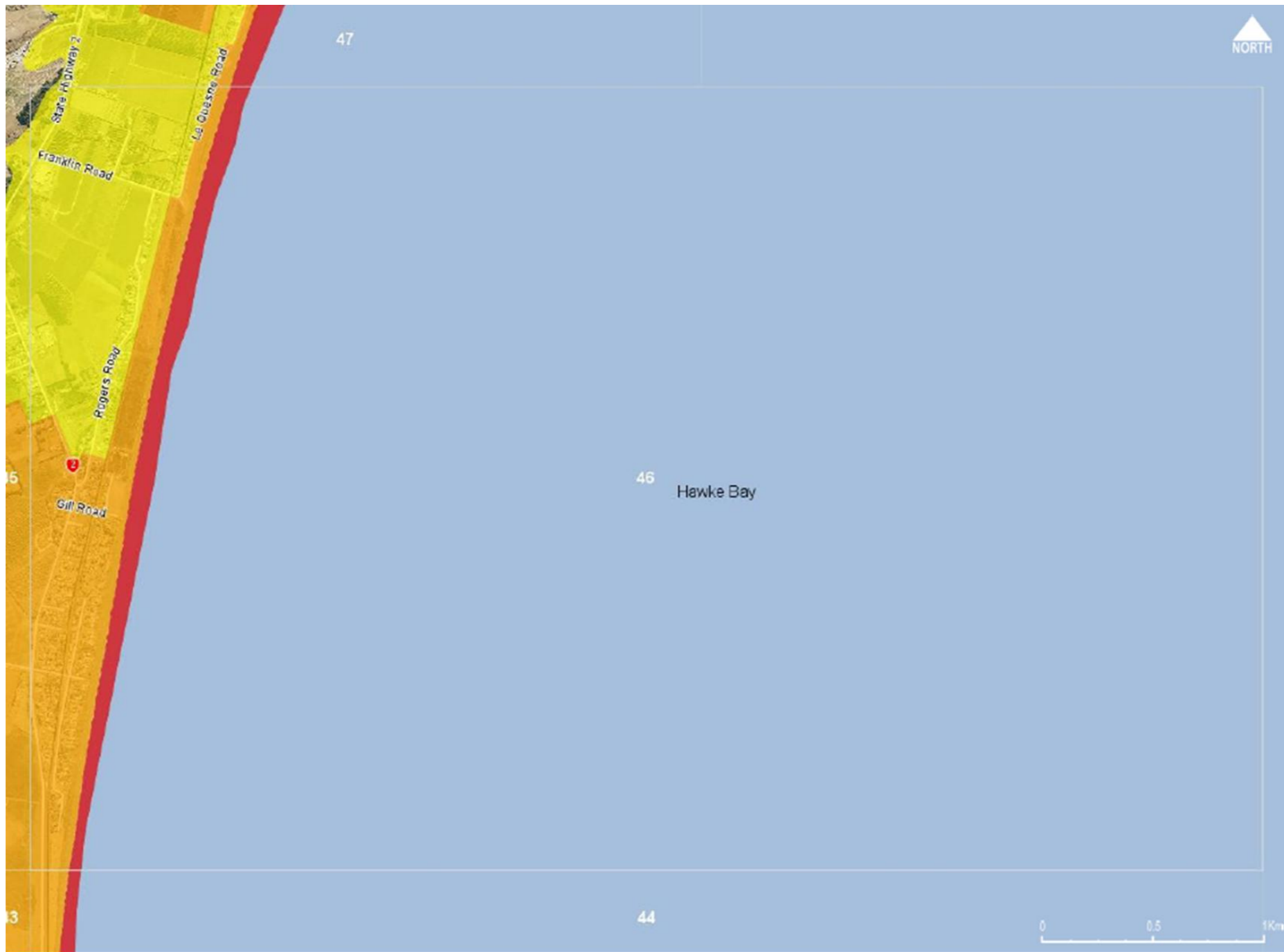
Official: Warnings are only possible for distant tsunami. Evacuate from the zone(s) as instructed.

Informal: Warnings from friends or the public may be correct. Evacuate from all zones if you are concerned. Check once you are safe.

Disclaimer: Please note that the evacuation zones are indicative only and based on current science and modelling as at date maps.



Appendix 1: Tsunami Evacuation Map



TSUNAMI EVACUATION

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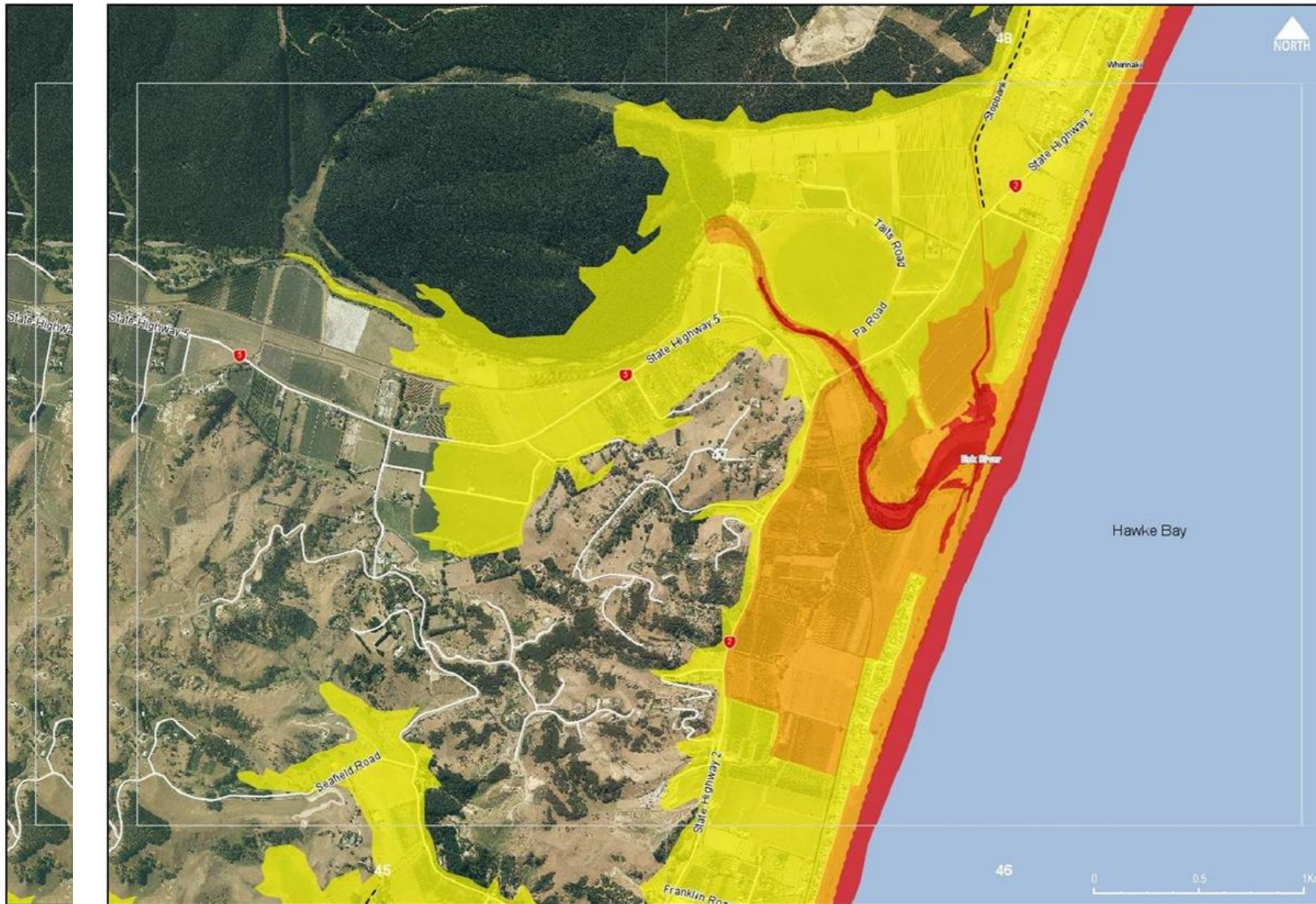
- Evacuation Zone Legend**
- Foreshore Risk
 - Distant Source Risk
 - Local Source Risk

IN A LONG OR STRONG EARTHQUAKE (Longer than a minute or hard to stand up) IMMEDIATELY EVACUATE ALL ZONES

**Hawke's Bay
Map 46**



Appendix 2: Tsunami Evacuation Map



TSUNAMI EVACUATION

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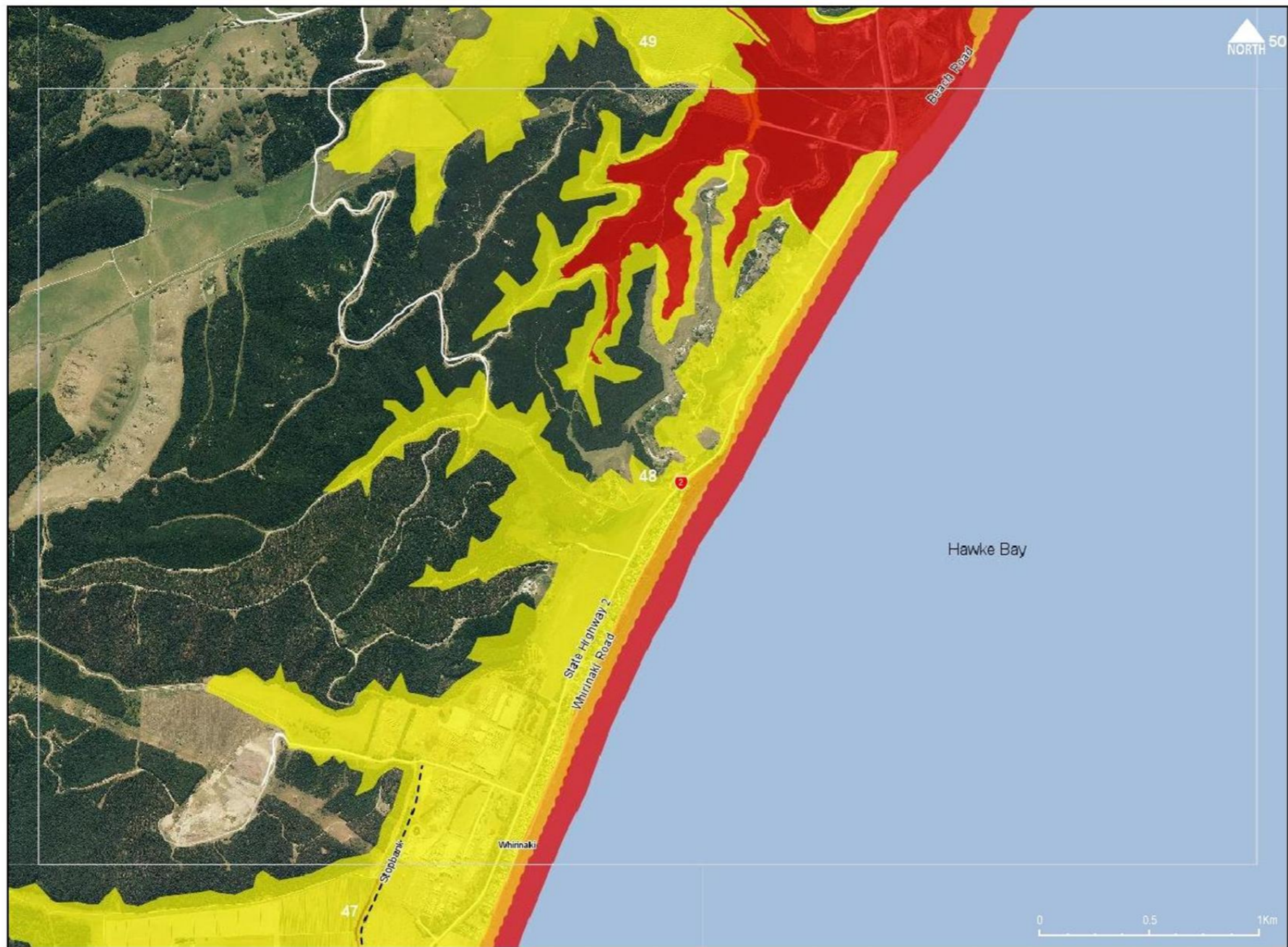
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| ■ Lo | ■ Local Source Risk |

IN A LONG OR STRONG EARTHQUAKE (Longer than a minute or hard to stand up) IMMEDIATELY EVACUATE ALL ZONES

**Hawke's Bay
Map 47**



Appendix 3: Tsunami Evacuation Map



TSUNAMI EVACUATION

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Evacuation Zone Legend

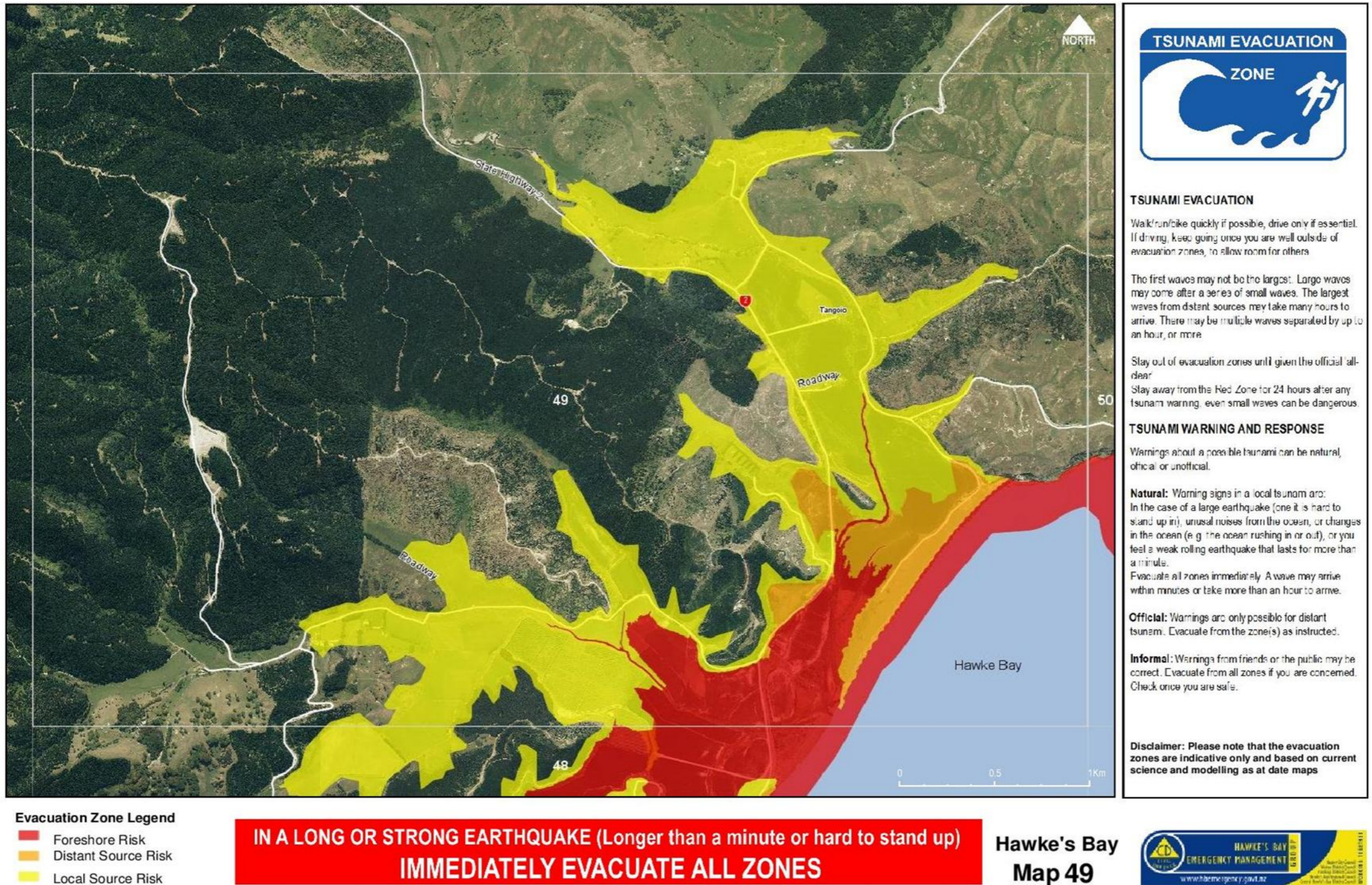
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- Local Source Risk

IN A LONG OR STRONG EARTHQUAKE (Longer than a minute or hard to stand up) IMMEDIATELY EVACUATE ALL ZONES

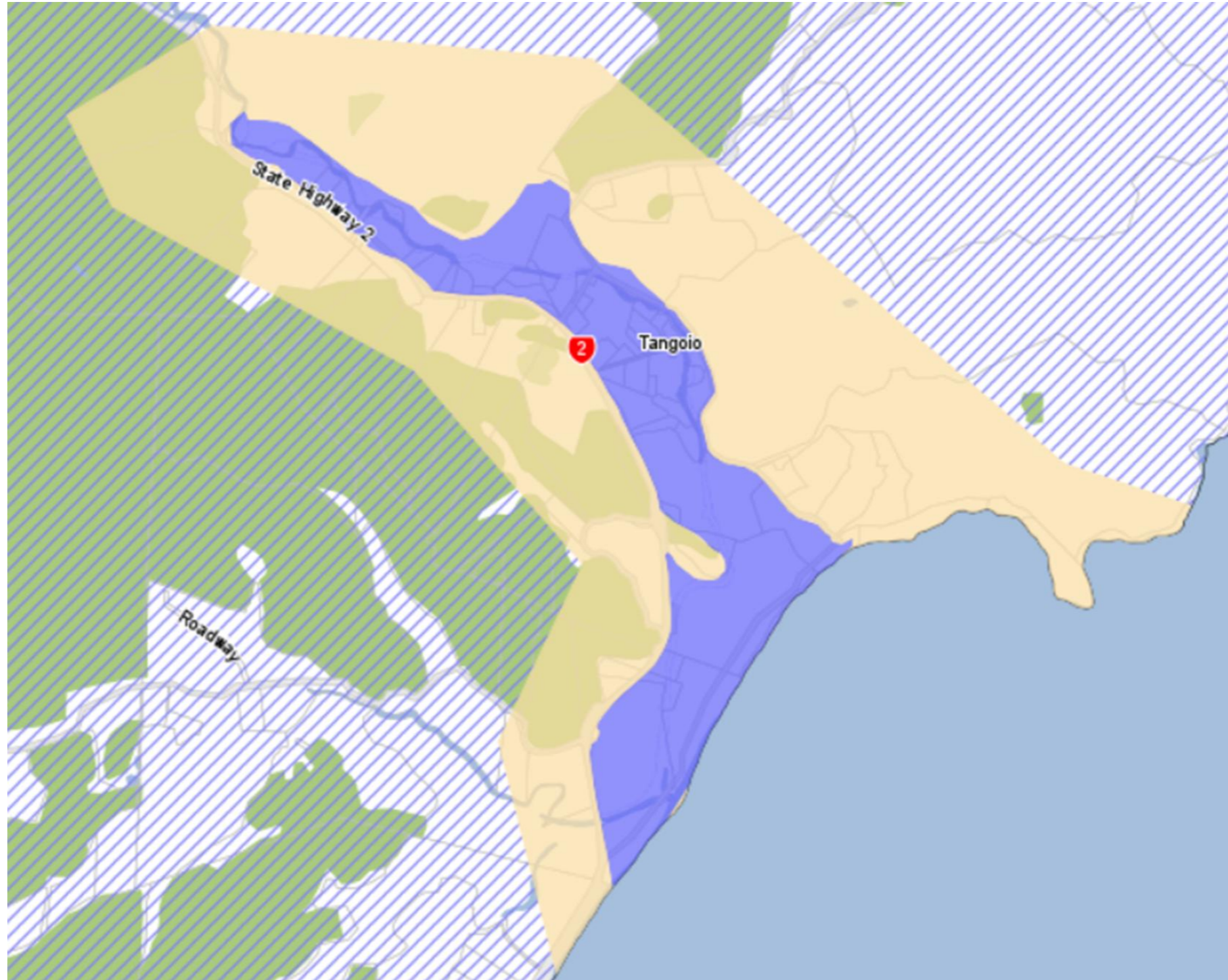
**Hawke's Bay
Map 48**






Appendix 4: Tsunami Evacuation Map

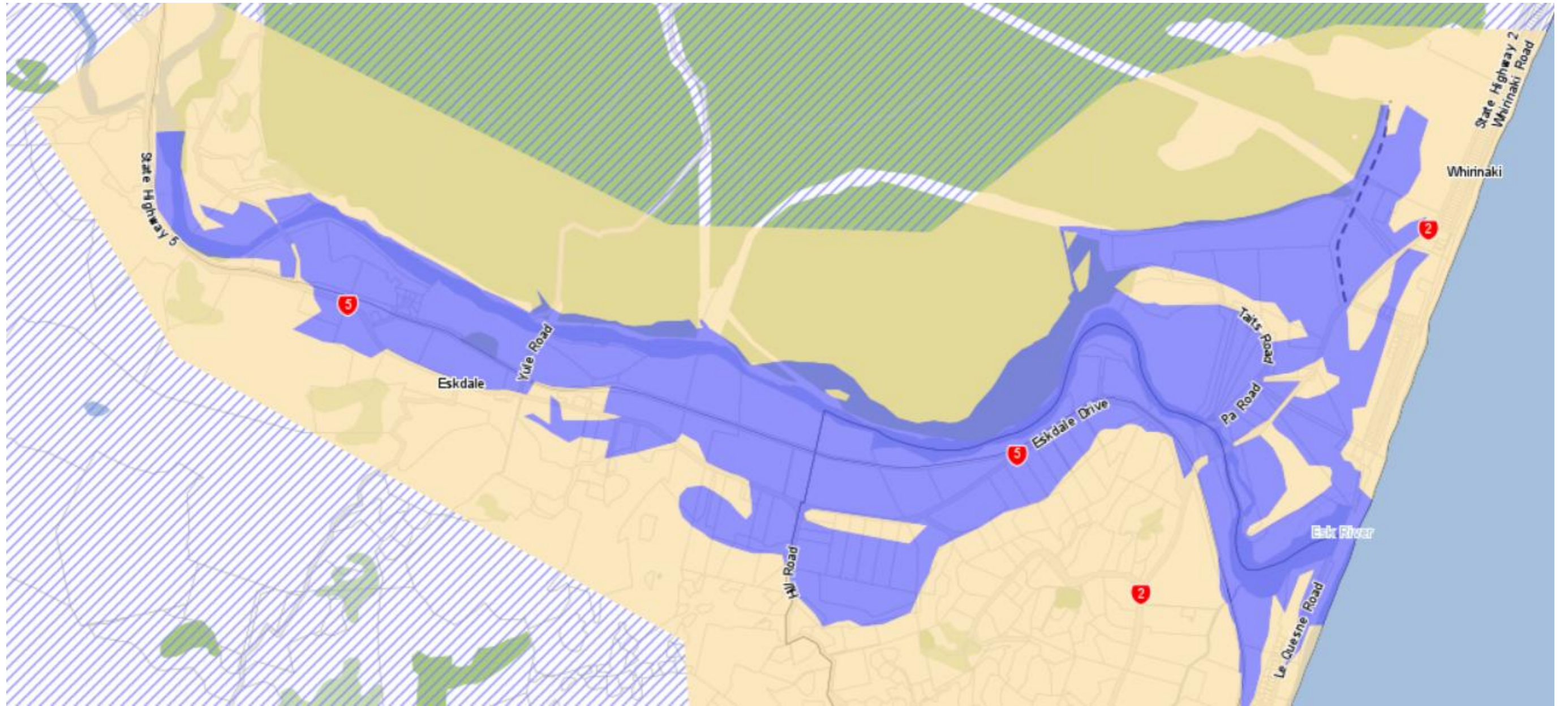


Appendix 5: Tsunami Evacuation Map



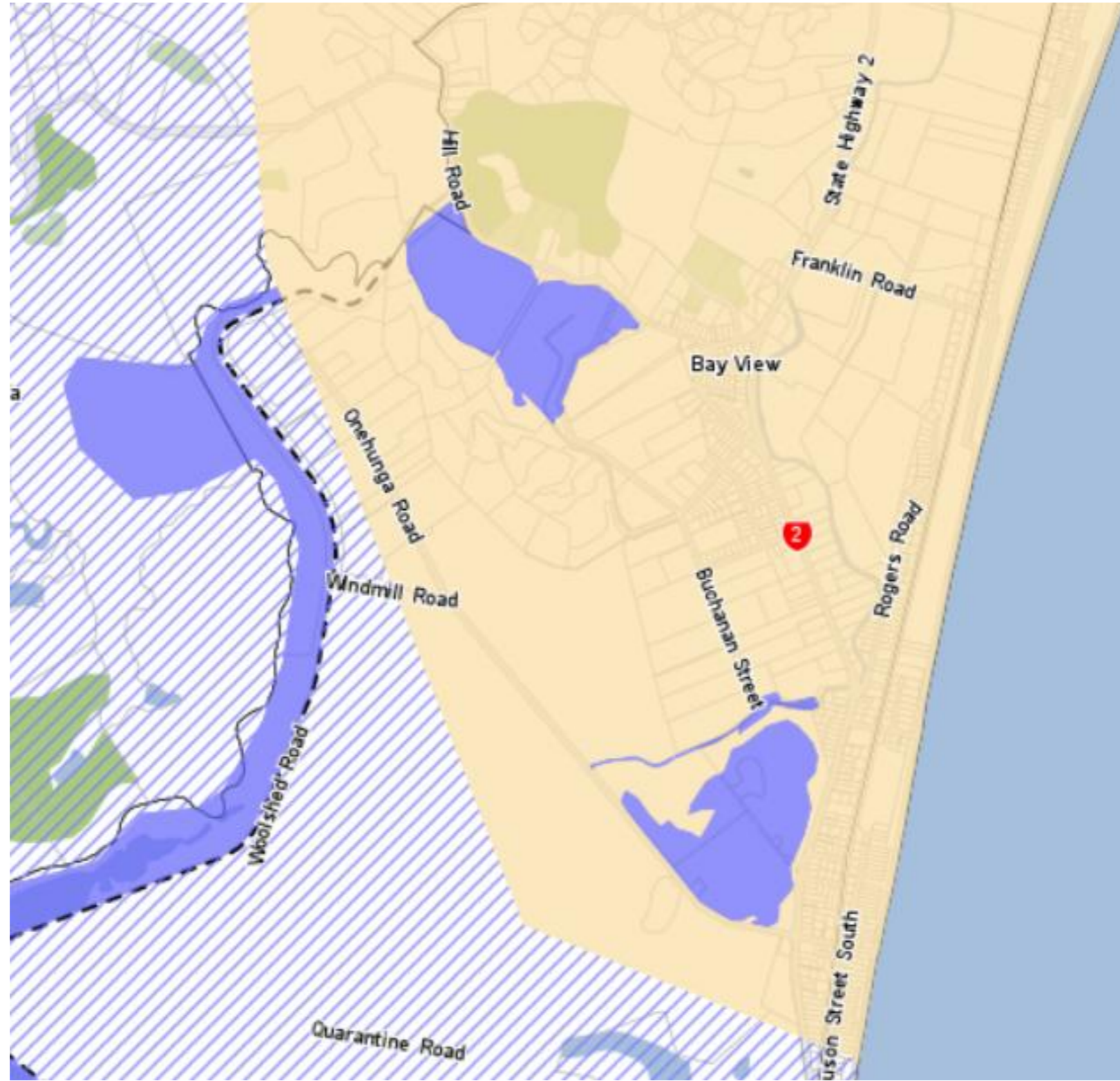
Appendix 6: Tangoio Flood Zone

-  Flood Risk Areas
-  Low Risk Areas
-  Not in Study Area



Appendix 7: Esk Dale Flood Zone

- Flood Risk Areas
- Low Risk Areas
- Not in Study Area



- Flood Risk Areas
- Low Risk Areas
- Not in Study Area

Appendix 8: Bay View Flood Zone