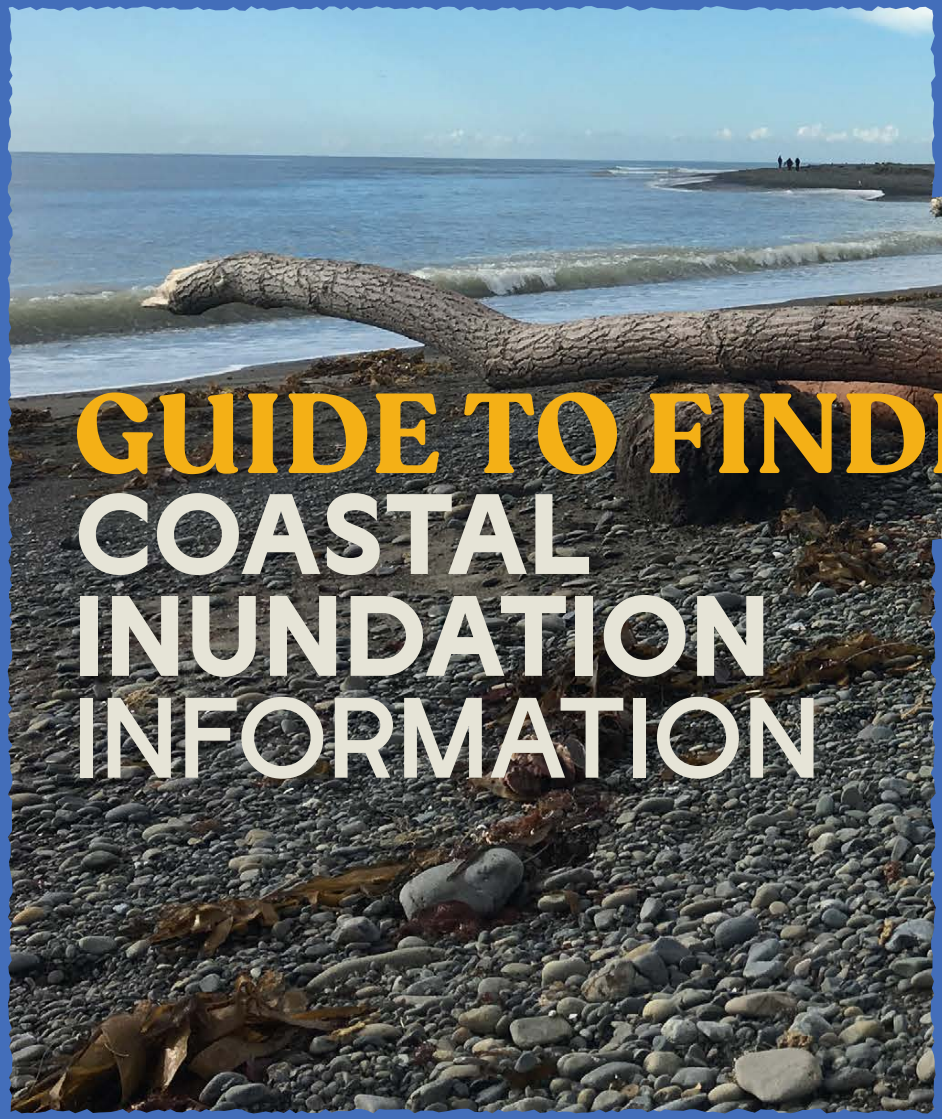
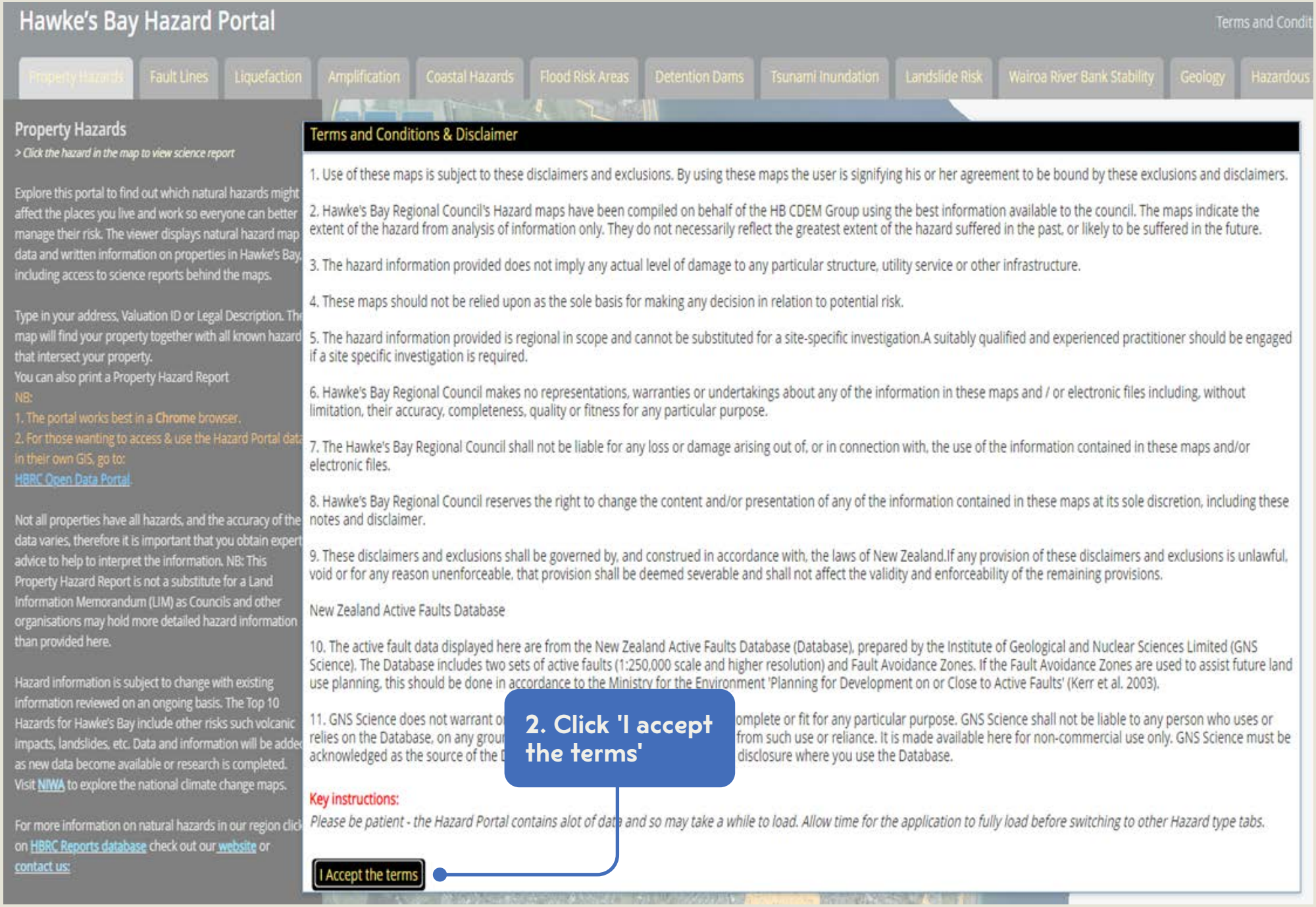
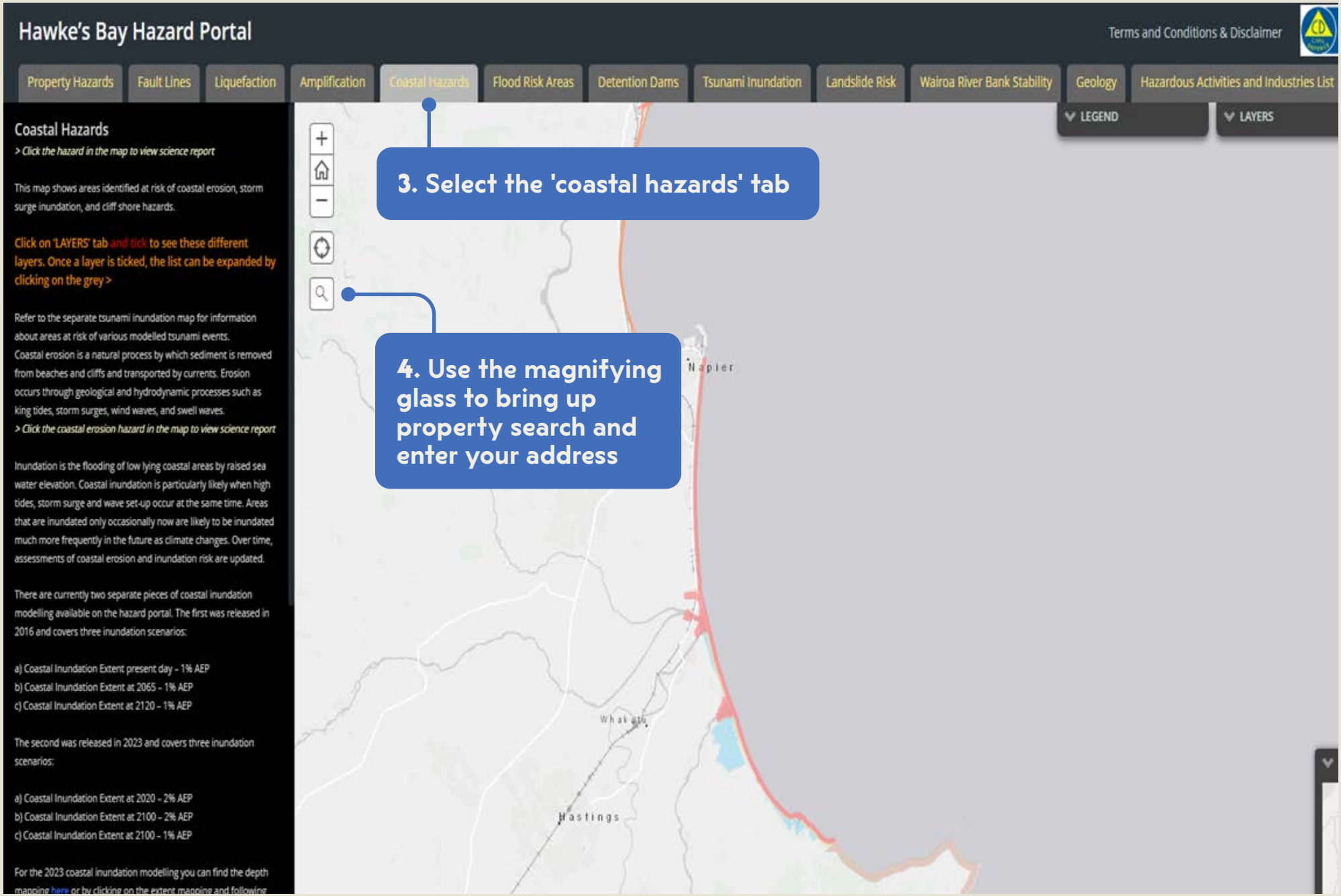


GUIDE TO FINDING COASTAL INUNDATION INFORMATION

HERETAUNGA HASTINGS DISTRICT COUNCIL

1. Click here
www.gis.hbrc.govt.nz/Hazards


Hawke's Bay Hazard Portal
Terms and Condit
Property Hazards
Fault Lines
Liquefaction
Amplification
Coastal Hazards
Flood Risk Areas
Detention Dams
Tsunami Inundation
Landslide Risk
Wairoa River Bank Stability
Geology
Hazardous
Property Hazards
> Click the hazard in the map to view science report
Explore this portal to find out which natural hazards might affect the places you live and work so everyone can better manage their risk. The viewer displays natural hazard map data and written information on properties in Hawke's Bay, including access to science reports behind the maps.
Type in your address, Valuation ID or Legal Description. Th map will find your property together with all known hazard that intersect your property.
You can also print a Property Hazard Report
NB:
1. The portal works best in a Chrome browser.
2. For those wanting to access & use the Hazard Portal dat in their own GIS, go to:
HBRC Open Data Portal
Not all properties have all hazards, and the accuracy of the data varies, therefore it is important that you obtain expert advice to help to interpret the information. NB: This Property Hazard Report is not a substitute for a Land Information Memorandum (LIM) as Councils and other organisations may hold more detailed hazard information than provided here.
Hazard information is subject to change with existing information reviewed on an ongoing basis. The Top 10 Hazards for Hawke's Bay include other risks such volcanic impacts, landslides, etc. Data and information will be adde as new data become available or research is completed.
Visit NIWA to explore the national climate change maps.
For more information on natural hazards in our region click on HBRC Reports database check out our website or contact us:
Terms and Conditions & Disclaimer
1. Use of these maps is subject to these disclaimers and exclusions. By using these maps the user is signifying his or her agreement to be bound by these exclusions and disclaimers.
2. Hawke's Bay Regional Council's Hazard maps have been compiled on behalf of the HB CDEM Group using the best information available to the council. The maps indicate the extent of the hazard from analysis of information only. They do not necessarily reflect the greatest extent of the hazard suffered in the past, or likely to be suffered in the future.
3. The hazard information provided does not imply any actual level of damage to any particular structure, utility service or other infrastructure.
4. These maps should not be relied upon as the sole basis for making any decision in relation to potential risk.
5. The hazard information provided is regional in scope and cannot be substituted for a site-specific investigation.A suitably qualified and experienced practitioner should be engaged if a site specific investigation is required.
6. Hawke's Bay Regional Council makes no representations, warranties or undertakings about any of the information in these maps and / or electronic files including, without limitation, their accuracy, completeness, quality or fitness for any particular purpose.
7. The Hawke's Bay Regional Council shall not be liable for any loss or damage arising out of, or in connection with, the use of the information contained in these maps and/or electronic files.
8. Hawke's Bay Regional Council reserves the right to change the content and/or presentation of any of the information contained in these maps at its sole discretion, including these notes and disclaimer.
9. These disclaimers and exclusions shall be governed by, and construed in accordance with, the laws of New Zealand.If any provision of these disclaimers and exclusions is unlawful, void or for any reason unenforceable, that provision shall be deemed severable and shall not affect the validity and enforceability of the remaining provisions.
New Zealand Active Faults Database
10. The active fault data displayed here are from the New Zealand Active Faults Database (Database), prepared by the Institute of Geological and Nuclear Sciences Limited (GNS Science). The Database includes two sets of active faults (1:250,000 scale and higher resolution) and Fault Avoidance Zones. If the Fault Avoidance Zones are used to assist future land use planning, this should be done in accordance to the Ministry for the Environment 'Planning for Development on or Close to Active Faults' (Kerr et al. 2003).
11. GNS Science does not warrant o omplete or fit for any particular purpose. GNS Science shall not be liable to any person who uses or relies on the Database, on any grou from such use or reliance. It is made available here for non-commercial use only. GNS Science must be acknowledged as the source of the D disclosure where you use the Database.
2. Click 'I accept the terms'
Key instructions:
Please be patient - the Hazard Portal contains alot of data and so may take a while to load. Allow time for the application to fully load before switching to other Hazard type tabs.
I Accept the terms


Hawke's Bay Hazard Portal
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Property Hazards
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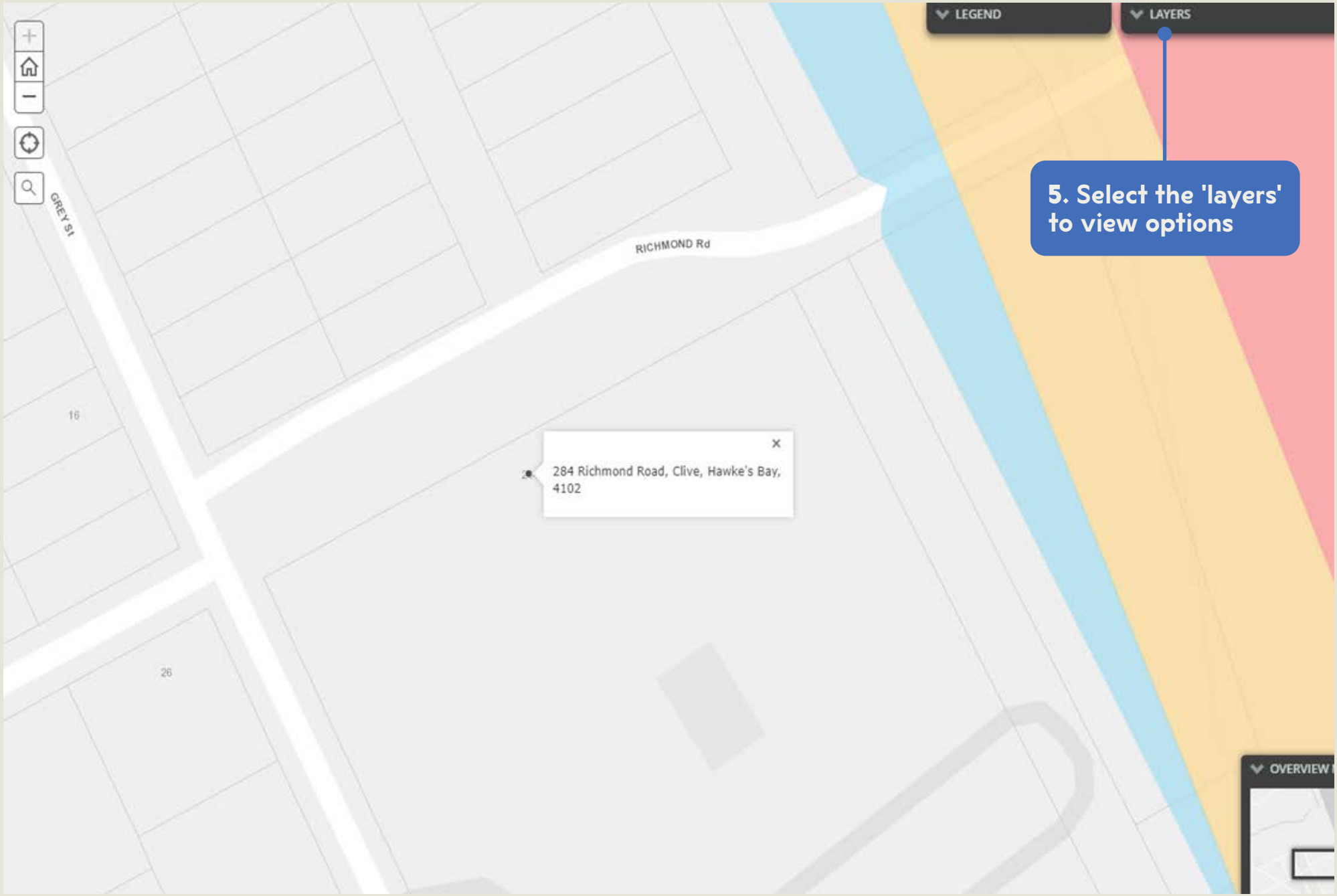
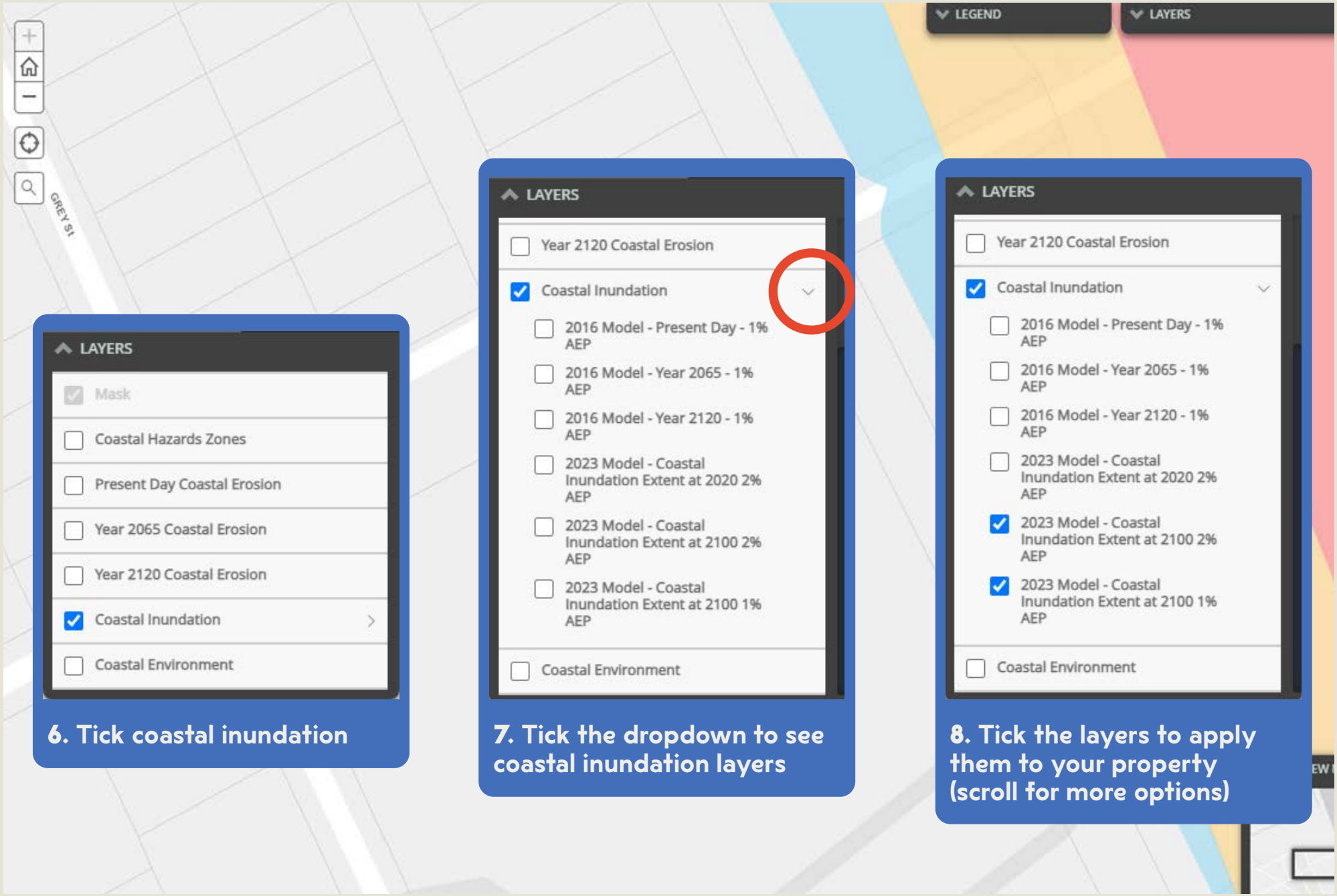
Tsunami Inundation
Landslide Risk
Wairoa River Bank Stability
Geology
Hazardous Activities and Industries List
LEGEND
LAYERS
Coastal Hazards
> Click the hazard in the map to view science report
This map shows areas identified at risk of coastal erosion, storm surge inundation, and cliff shore hazards.
Click on 'LAYERS' tab and tick to see these different layers. Once a layer is ticked, the list can be expanded by clicking on the grey >
Refer to the separate tsunami inundation map for information about areas at risk of various modelled tsunami events.
Coastal erosion is a natural process by which sediment is removed from beaches and cliffs and transported by currents. Erosion occurs through geological and hydrodynamic processes such as king tides, storm surges, wind waves, and swell waves.
> Click the coastal erosion hazard in the map to view science report
Inundation is the flooding of low lying coastal areas by raised sea water elevation. Coastal inundation is particularly likely when high tides, storm surge and wave set-up occur at the same time. Areas that are inundated only occasionally now are likely to be inundated much more frequently in the future as climate changes. Over time, assessments of coastal erosion and inundation risk are updated.
There are currently two separate pieces of coastal inundation modelling available on the hazard portal. The first was released in 2016 and covers three inundation scenarios:
a) Coastal Inundation Extent present day - 1% AEP
b) Coastal Inundation Extent at 2065 - 1% AEP
c) Coastal Inundation Extent at 2120 - 1% AEP
The second was released in 2023 and covers three inundation scenarios:
a) Coastal Inundation Extent at 2020 - 2% AEP
b) Coastal Inundation Extent at 2100 - 2% AEP
c) Coastal Inundation Extent at 2100 - 1% AEP
For the 2023 coastal inundation modelling you can find the depth mapping here or by clicking on the extent mapping and following
3. Select the 'coastal hazards' tab
4. Use the magnifying glass to bring up property search and enter your address
Napier
Hastings


LEGEND
LAYERS
5. Select the 'layers' to view options
GREY St
RICHMOND Rd
16
26
284 Richmond Road, Clive, Hawke's Bay, 4102
OVERVIEW


LEGEND
LAYERS
GREY ST
LAYERS
Mask
Coastal Hazards Zones
Present Day Coastal Erosion
Year 2065 Coastal Erosion
Year 2120 Coastal Erosion
Coastal Inundation
Coastal Environment
6. Tick coastal inundation
LAYERS
Year 2120 Coastal Erosion
Coastal Inundation
2016 Model - Present Day - 1% AEP
2016 Model - Year 2065 - 1% AEP
2016 Model - Year 2120 - 1% AEP
2023 Model - Coastal Inundation Extent at 2020 2% AEP
2023 Model - Coastal Inundation Extent at 2100 2% AEP
2023 Model - Coastal Inundation Extent at 2100 1% AEP
Coastal Environment
7. Tick the dropdown to see coastal inundation layers
LAYERS
Year 2120 Coastal Erosion
Coastal Inundation
2016 Model - Present Day - 1% AEP
2016 Model - Year 2065 - 1% AEP
2016 Model - Year 2120 - 1% AEP
2023 Model - Coastal Inundation Extent at 2020 2% AEP
2023 Model - Coastal Inundation Extent at 2100 2% AEP
2023 Model - Coastal Inundation Extent at 2100 1% AEP
Coastal Environment
8. Tick the layers to apply them to your property (scroll for more options)

Use the layer list and legend to select 2023 Model – Coastal Inundation Depth at 2100 for

- 1% AEP
- 2% AEP (Building Code Scenario)

Note: 2% AEP (Annual Exceedance Probability) Building Code scenario – relates to housing, communal residential and communal non-residential buildings.

When assessing building consent applications on land subject to coastal inundation or flooding hazards, the Building Code says surface water from an event having a 2% probability of occurring annually (i.e., a one-in-50-year event) shall not enter buildings.

This may require a floor level to be set above the modelled flood level.

HERETAUNGA HASTINGS DISTRICT COUNCIL

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