



Figure 11. Fault Rupture Scenario Map
Whakatane Fault - Whakatane Segment

for Environment BOP
(Bay of Plenty Regional Council)

Scale 1 : 500 000

New Zealand Map Grid projection

Map to accompany
Institute of Geological & Nuclear Sciences Ltd
Client Report 1999/116

FAULT EARTHQUAKE SCENARIO

Whakatane Fault
Whakatane Segment
Richter Magnitude 6.5
Depth 15 km
Strike-slip fault
Standard Crust

ISOSEISMALS
(Modified Mercalli Intensity)

- MM 10
- MM 9
- MM 8
- MM 7

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The active fault data have been compiled onto the NZMS260 topographic base at 1:50 000 from a variety of sources including aerial photography and field-based observation. These data should not be used for site-specific investigations.

The isoseismal ellipses measuring Modified Mercalli Intensity have been calculated using an earthquake attenuation model for a hypothetical coseismic fault rupture.

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