

# TSUNAMI EVACUATION ZONES of the Whakatane, Ohope and Ohiwa Harbour areas

EVACUATION ZONES C2439\_4

- from regional average Mean High Water Spring\* (0.8958 m) line to 10 metres distance inland  
*Note: this has been exaggerated for cartographic purposes*
- inland boundary of RED to expected maximum extent\*\* of a 5 metre tsunami wave with expected run-up to 10 metres
- from ORANGE boundary to expected maximum extent\*\* of a 8.25 metre tsunami wave with expected run-up to 16.5 metres

\* as defined in page 18, MHWS level for the Bay of Plenty, NIWA Client Report HAM2006-133 Oct 2006, NIWA Project BOP07212

\*\* The recommended Level 2 attenuation rule of 1 metre decrease in wave height every 200 metre inland was applied for calculating how far the tsunami wave travels inland. The attenuation rule for the river, 1 m decrease for every 400m distance upriver, was applied to determine the maximum distance travelled by the modelled tsunami waves (run-up of 10 and 16.5m travelling a maximum of 4000m and 6600m, respectively upriver).  
- *Tsunami Evacuation Zones Director's Guideline for Civil Defence Emergency Management Groups [DGL 08/08] December 2008 ISBN 978-0-478-25483-9*

- |                           |                             |
|---------------------------|-----------------------------|
| <b>ROADS and RAILWAYS</b> | <b>WATER FEATURES</b>       |
| State highways .....      | Sand .....                  |
| Roading .....             | River .....                 |
| Railway .....             | Stream .....                |
| <b>MISCELLANEOUS</b>      | <b>RELIEF FEATURES</b>      |
| Building(s) .....         | Index contour .....         |
| Residential area .....    | Intermediate contours ..... |
| Urban locaton .....       | Elevation in metres .....   |

HORIZONTAL DATUM: New Zealand Geodetic Datum 2000 (NZGD2000)  
For practical purposes NZGD2000 equates to WGS84

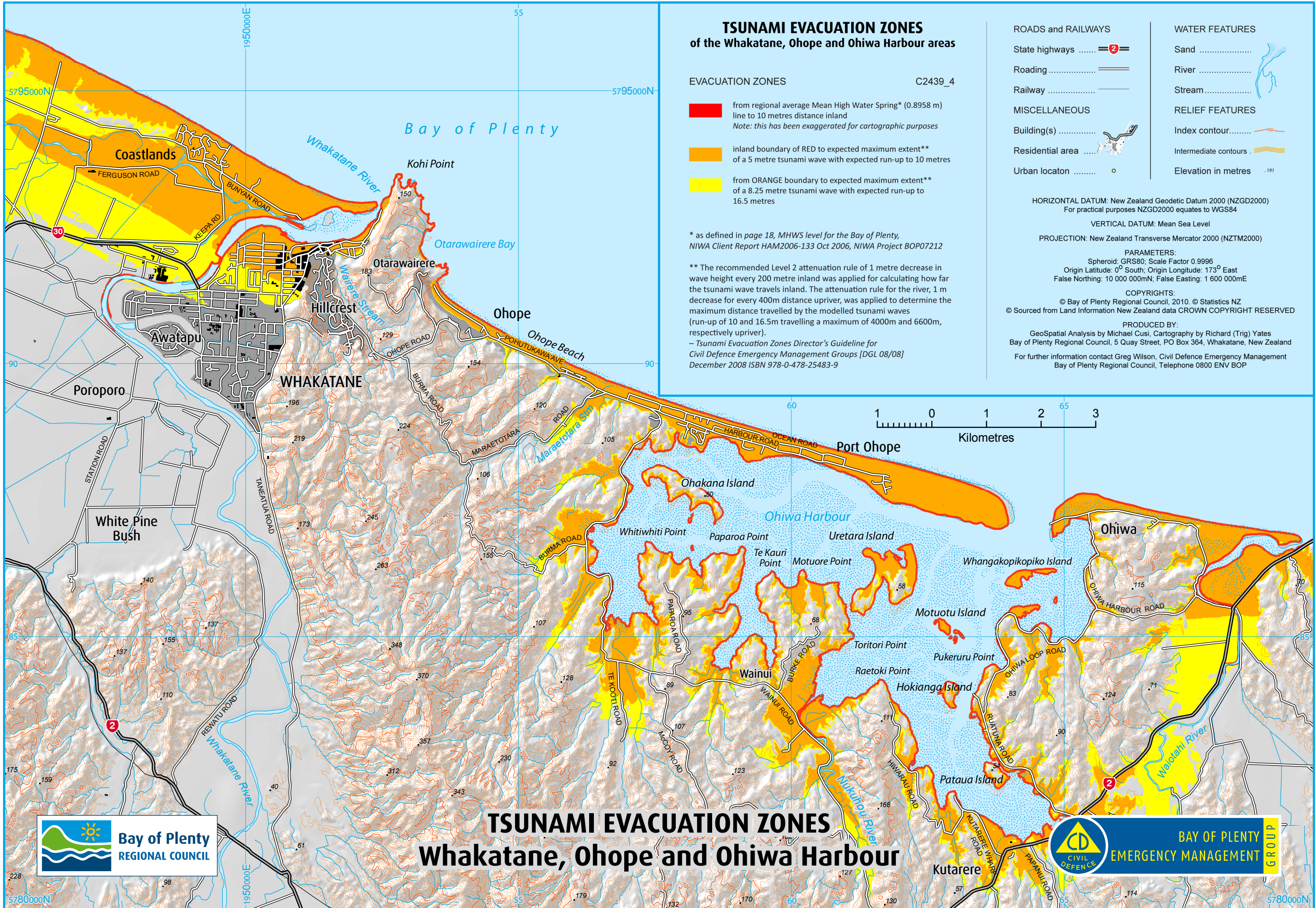
VERTICAL DATUM: Mean Sea Level

PROJECTION: New Zealand Transverse Mercator 2000 (NZTM2000)

PARAMETERS:  
Spheroid: GRS80; Scale Factor 0.9996  
Origin Latitude: 0° South; Origin Longitude: 173° East  
False Northing: 10 000 000mN; False Easting: 1 600 000mE

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