




TSUNAMI EVACUATION ZONES of the Opotiki to Torere area













EVACUATION ZONES C2439_5

-  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*

- | | |
|--|---|
| ROADS and RAILWAYS | WATER FEATURES |
| State highways  | Sand  |
| Roading  | River  |
| Railway  | Stream  |
| MISCELLANEOUS | RELIEF FEATURES |
| 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

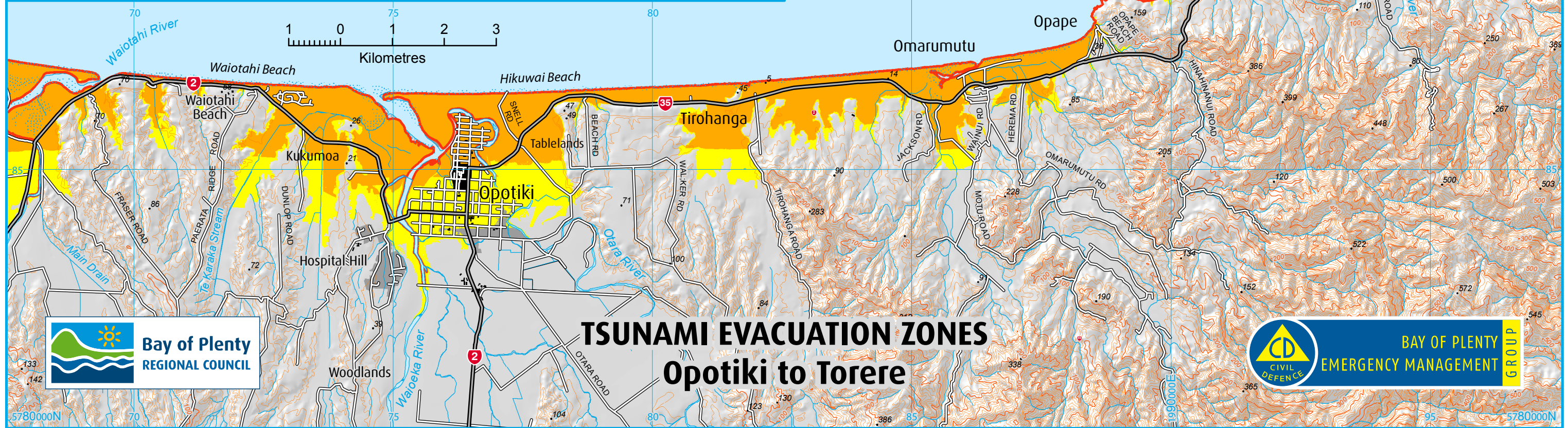
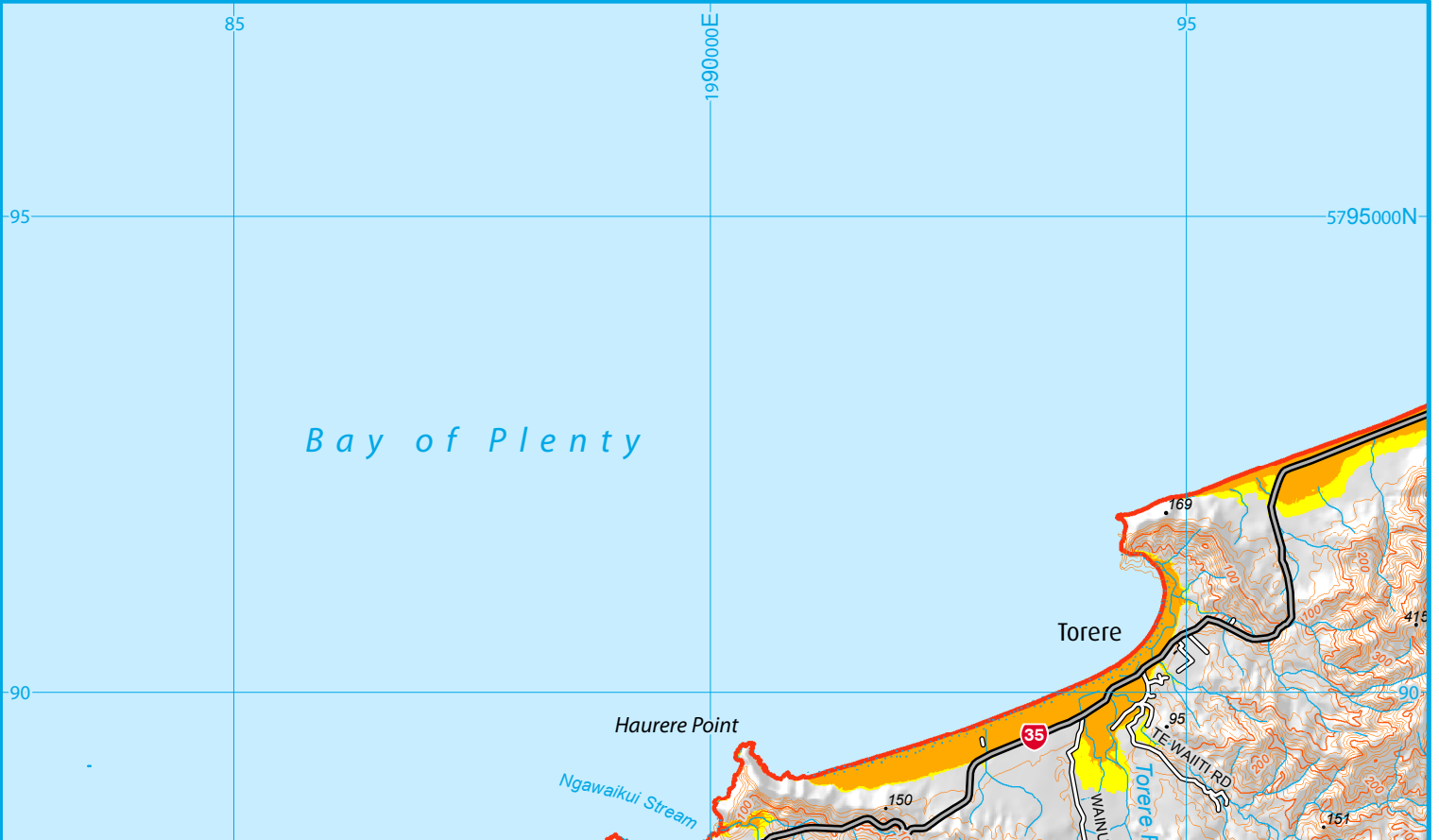
PROJECTION: New Zealand Transverse Mercator 2000 (NZTM2000)

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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TSUNAMI EVACUATION ZONES Opotiki to Torere

