Wellington City Wind Zones Metadata

Name:	Wellington City Wind Zones
Abstract:	Wind Zones for the Wellington City Urban Areas. When applying for a building consent, the wind zone in which a structure is located determines structural requirements (New Zealand Building Code - NZBC B1 - Structure) and weather tight requirements (NZBC E2 - External Moisture).
Purpose of data:	Wellington City Council business
Area of coverage:	Urban Wellington including Makara Beach
Date of capture / date created:	2003
Data type:	Vector
Native data format:	Arc SDE Geodatabase
Update frequency:	Not updated
Accuracy:	Digitised in 2001 based on DCDB boundaries, otherwise digitised from map book (see dataset history). No correction for subsequent CRS boundary adjustments has occurred.
Accuracy statement:	The determination of the correct Wind Zone can only be achieved by accurate knowledge of ground topography, ground roughness, site exposure and "expected conditions five years hence". Whilst every endeavour has been made to determine the correct Wind Zone the final interpretation remains the prerogative of the Territorial Authority (Wellington City Council) in whose district the site is situated.
Image resolution / ground sample distance:	Not applicable
Dataset history:	Original map was compiled by CLC Consulting Group Limited in 1993 - Civil and Structural Engineers - Land Surveyors. Cadastral data derived from the department of Survey and Land Information Electoral Database (predecessor of DCDB). The data was initially provided in the form of a Wind Zone Map Book. This data was converted into a digital format in February 2001 by Terralink Ltd. Where the Wind Zone lines coincided with the DCDB the DCDB boundary was used. Where there was no DCDB to follow the position of the original lines were digitised. Background: One of the major changes which occurred within NZS3602:1990 revisions was the requirement to consider wind and earthquake loading as separate cases. This new requirement was brought about by the shift in emphasis from Working Stress method of design to that of Ultimate Strength design as was made

	necessary because of the differences in the way bracing elements behave under wind or during earthquake attack. The determination of the "Wind Zone" for the wind bracing requirement has proved to be somewhat daunting at first glance and as a consequence has attracted a large amount of criticism. The Wind Zone map data has been prepared so as to enable the Designer (or Building Inspector) to obtain the Wind Zone for urban area within the Wellington City urban areas without referral to NZS3604:1990 Section 2.6.
Coordinate System:	Horizontal Coordinate System: NZTM Geodetic Model: NZGD2000
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Additional Notes:	Wind Codes and Wind Zones: 1 Low Wind 2 Medium Wind 3 High Wind 4 Very High Wind 5 Specific Design (zone outside the scope of NZS3604:1990) 1000 Unknown
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