

A Step towards a Single Point of Truth for Cadastral Records in Parramatta City Council

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SUMMARY

The city of Parramatta has been surveyed since first settlement with some of these parcels still existing today. This means we have a very detailed cadastral fabric that has related planning issues for the future of Parramatta City Council. The cadastre has very recent and well defined high accuracy parcels together with old original parcels of very low accuracy. The differing levels of accuracies presents a multitude of problems for Council's infrastructure and planning policies. A solution to improve the accuracy of the Cadastral fabric was put to Council as a business case to develop a different approach to managing the Cadastral Fabric and other GIS related layers. Parramatta's Local Government Area has cadastral plans showing coordinates for current parcels of land that were drawn in the 1880s. Thus, Parramatta has a long historical connection with a coordinated cadastre. After much consultation with Parramatta's Geographical Information Systems section, the Council decided to invest in a new process that will incrementally improve the cadastre and other associated layers using the ESRI's Cadastral Editor Land Records technology. To implement this program, the Council employed the use of gViz, a company with Surveying, GIS and Local Government expertise. This paper will discuss the issues with the implementation of a Coordinated Cadastre using ESRI's Cadastral Editor technology. This paper will focus on what we required in a coordinated cadastre, structure of the data, training and implementation and the beginning of a single point of truth for surveying records in Council data. Moreover, the start of a Surveying Mark Register and the long term cost benefits will also be addressed.

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