

At the time of English settlement in Australia there were... No physically defined boundaries other than natural features (i.e. no fences, roads, walls ...) No existing survey control. Consequently, land granted could only be defined by "Metes and Bounds" or measurements and limits of the boundary lines, Relating a land parcel with respect to a recognisable feature, or, after some time, Relating a land parcel to an existing parcel





Meanwhile

- ... as the cadastre spread in a fairly unstructured manner for over 40 years, Governor Darling recognised the importance of a trigonometrical survey.
- Map of Nineteen Counties (1834) by Sir Thomas Mitchell was the first geodetic survey in NSW.
- ➤ Followed by:
 - Accurate map of Sydney, 1854
 - Trig survey in Albury (500km south of Sydney), 1859
 - One third of NSW surveyed by 1895 with 2700 points.

Primary motivation for trig surveys was land administration

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Concluding remarks

- From divergent origins, the cadastre and geodetic network are converging largely due to GPS/GNSS techniques.
- The global AUSPOS service exposed distortions in the geodetic infrastructure.
- CORS networks have provided further impetus to merge the cadastre and geodetic network.
- Convergence opens the way for many other services such as e-plan, digital registration and a high accuracy DCDB.
- Surveyors should embrace this opportunity to provide value added services, both surveying and spatial, to clients that were never previously possible

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