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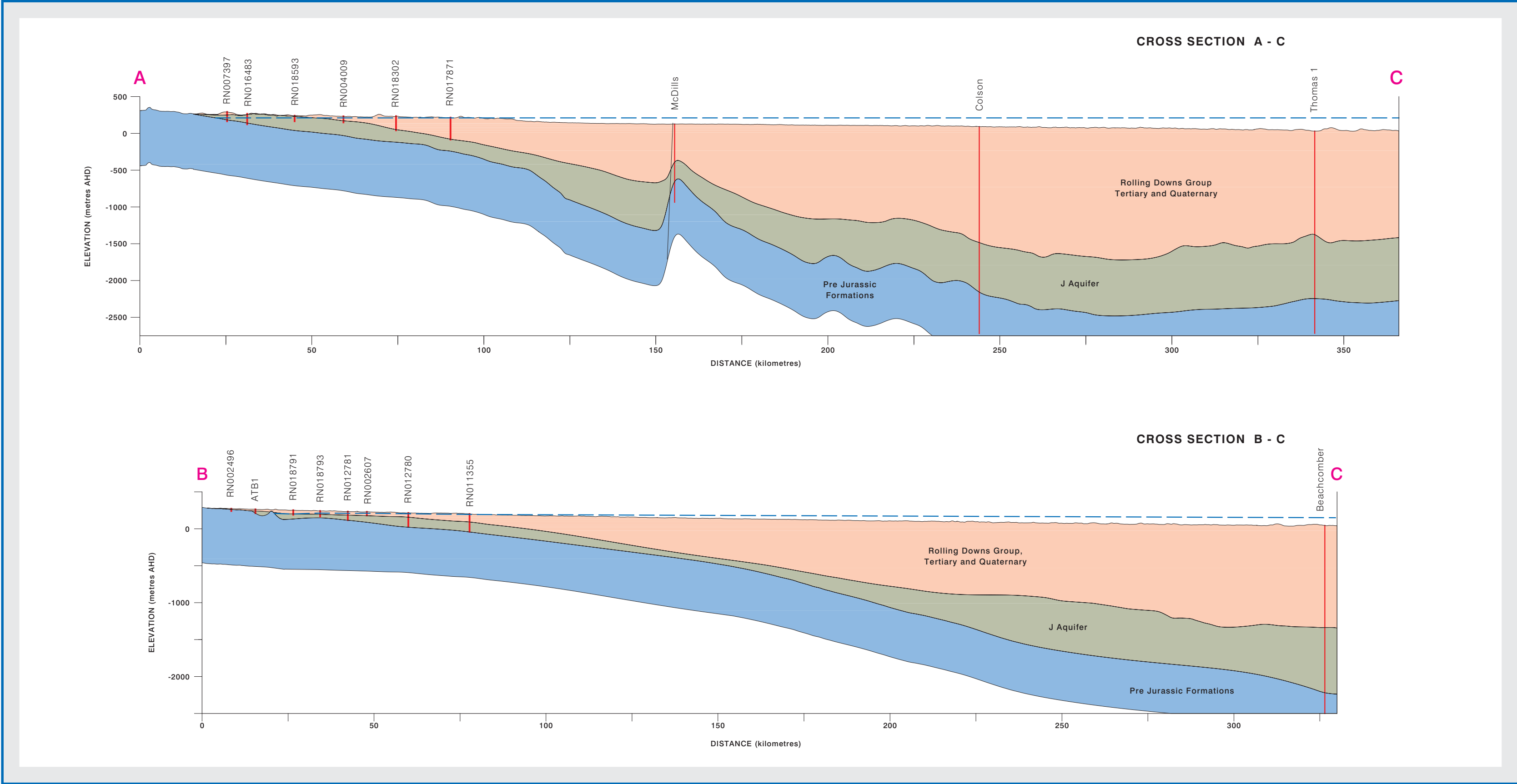
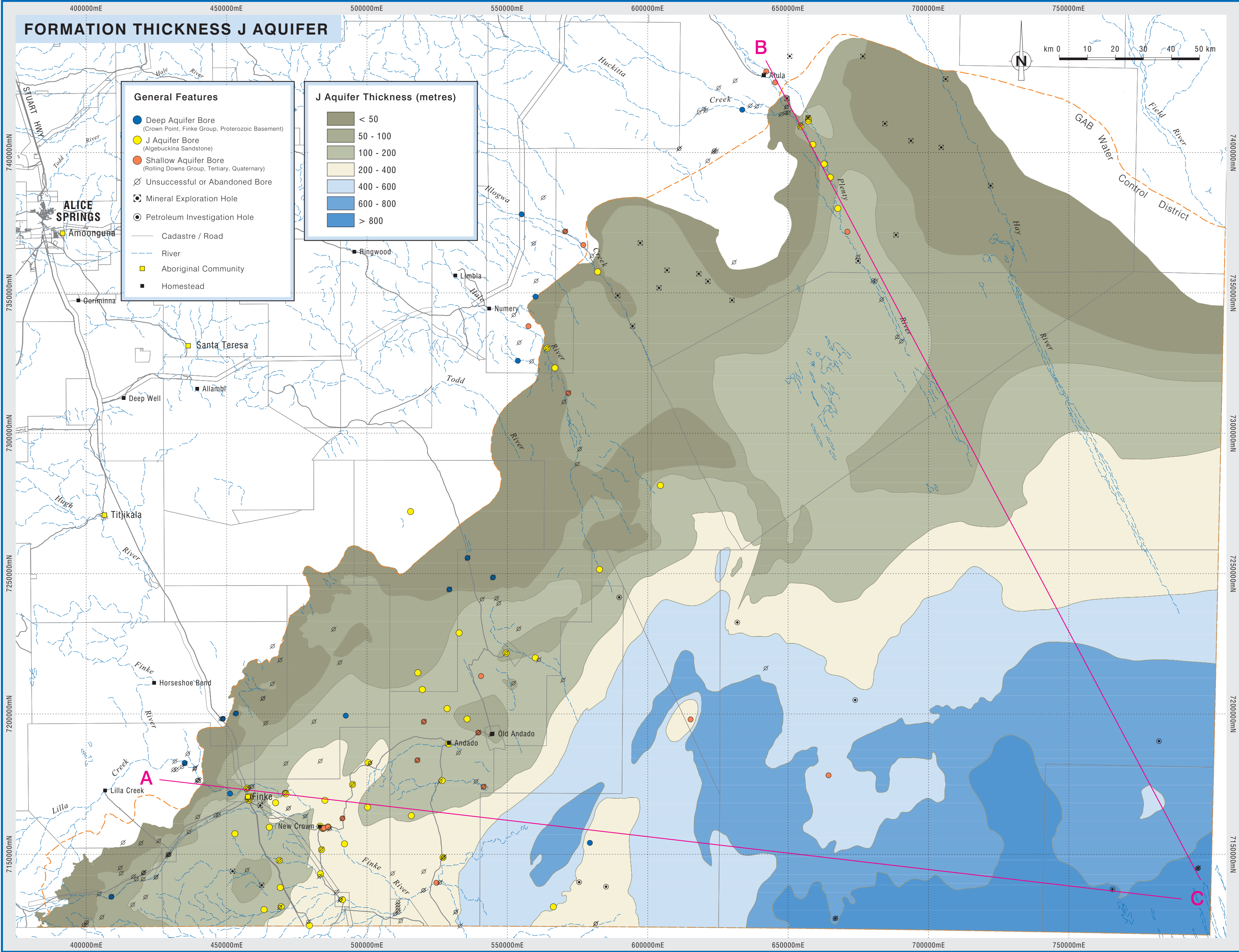
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This map was produced on the Geospatial Datum of Australia 1994 (GDA 94)
Map Grid of Australia (MGA)
Zone 53 Universal Transverse Mercator Projection
Horizontal Datum GDA 94

Northern Territory Government



HYDROGEOLOGICAL MAP OF THE NORTHERN TERRITORY GREAT ARTESIAN BASIN

The Great Artesian Basin (GAB) is an extensive Cretaceous to Jurassic aged groundwater system which underlies over a fifth of the Australian continent. Around 5% of this resource is located in the Northern Territory underlying an area of 84,500 square kilometres or 6% of the Northern Territory landmass. Located in the southeast corner of the Northern Territory, the GAB comprises a massive quartz sandstone aquifer (J aquifer) underlying a thick sequence of low permeability mudstone and shale (Rolling Downs Group). The first recorded bore in the J aquifer in the Northern Territory was drilled in 1894 as a water supply for the Charlotte Waters telegraph station. This was followed shortly after 1898 by the completion of the first flowing well, Anacoora Bore. Over the last 110 years around another 80 bores have been drilled and constructed in the J aquifer in the Northern Territory, the vast majority of these are located along the basin margin and are predominantly used to provide stock and domestic water supply.

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