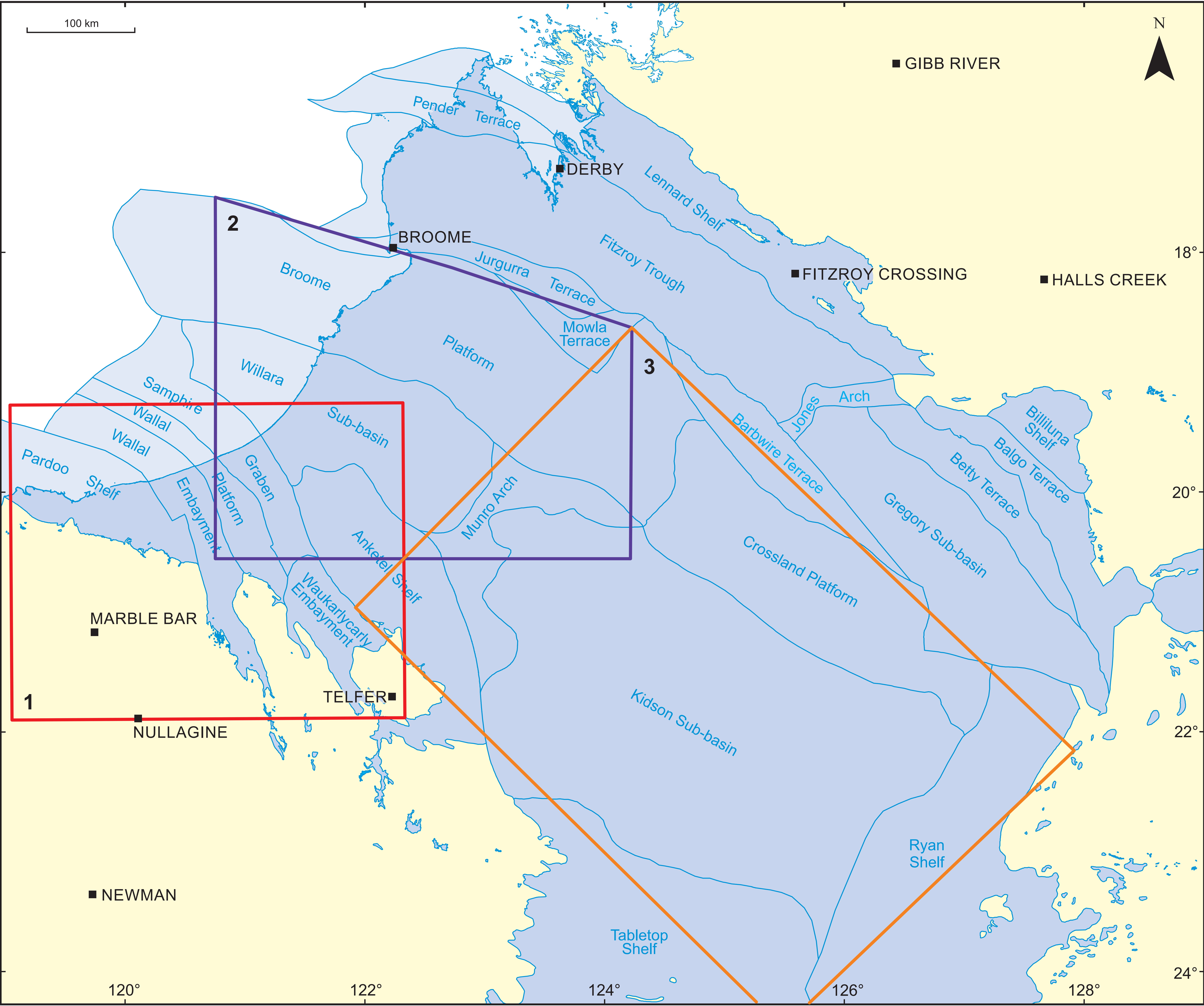


REGIONAL SEISMIC MAPPING SOUTHERN CANNING BASIN

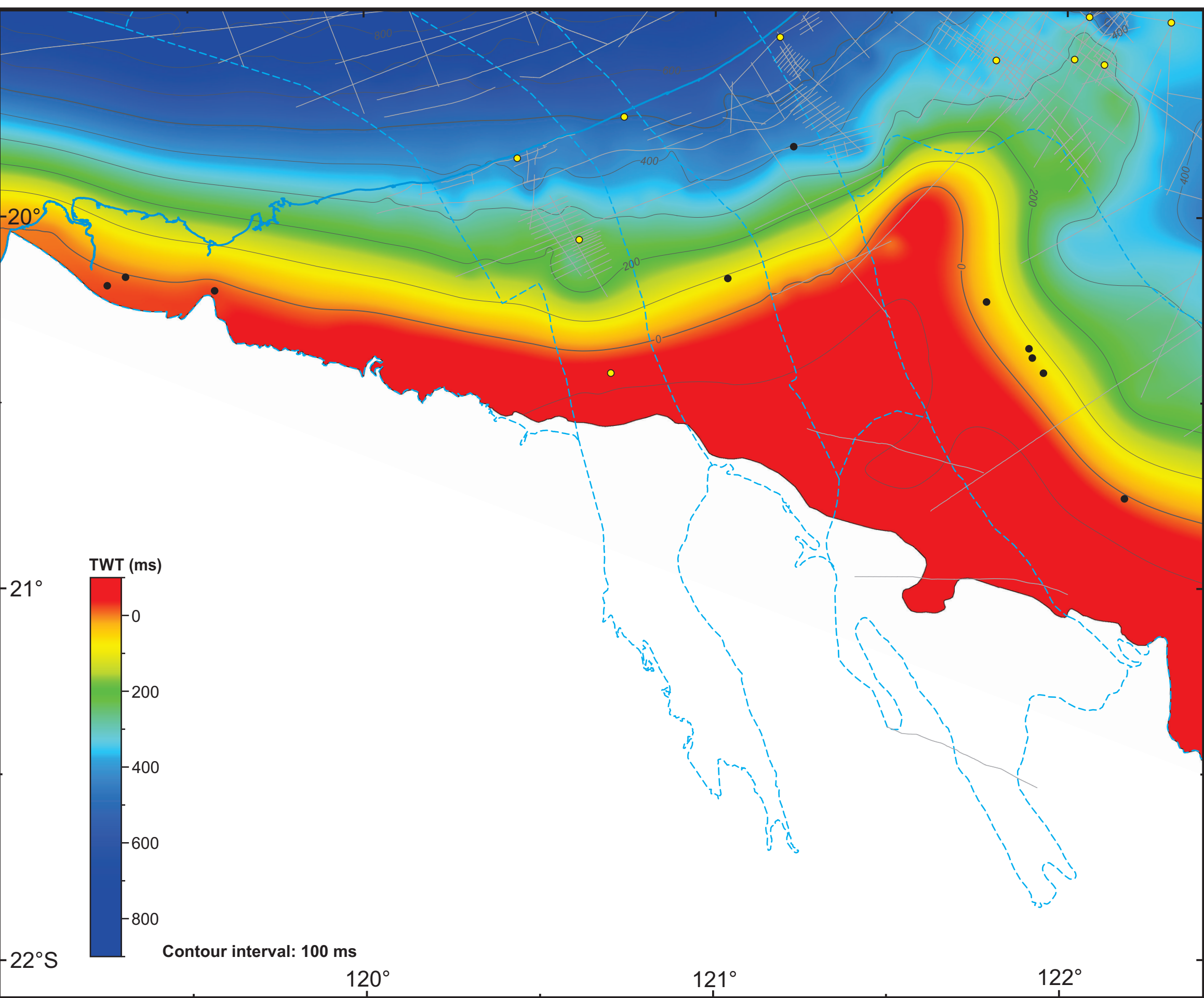
This mapping project focuses on the structural configuration and lateral extent of the basin fill to address geological uncertainties within the southern Canning Basin. Prior to this study, the most recent Paleozoic maps of this area focused on large-scale structures and were compiled more than 20 years ago (e.g. Canning Basin – Top Ordovician by Iasky et al., 1991, GSWA 1:1 000 000 seismic subsurface time structure map).

The southern Canning Basin has been divided into three mapping areas shown below:

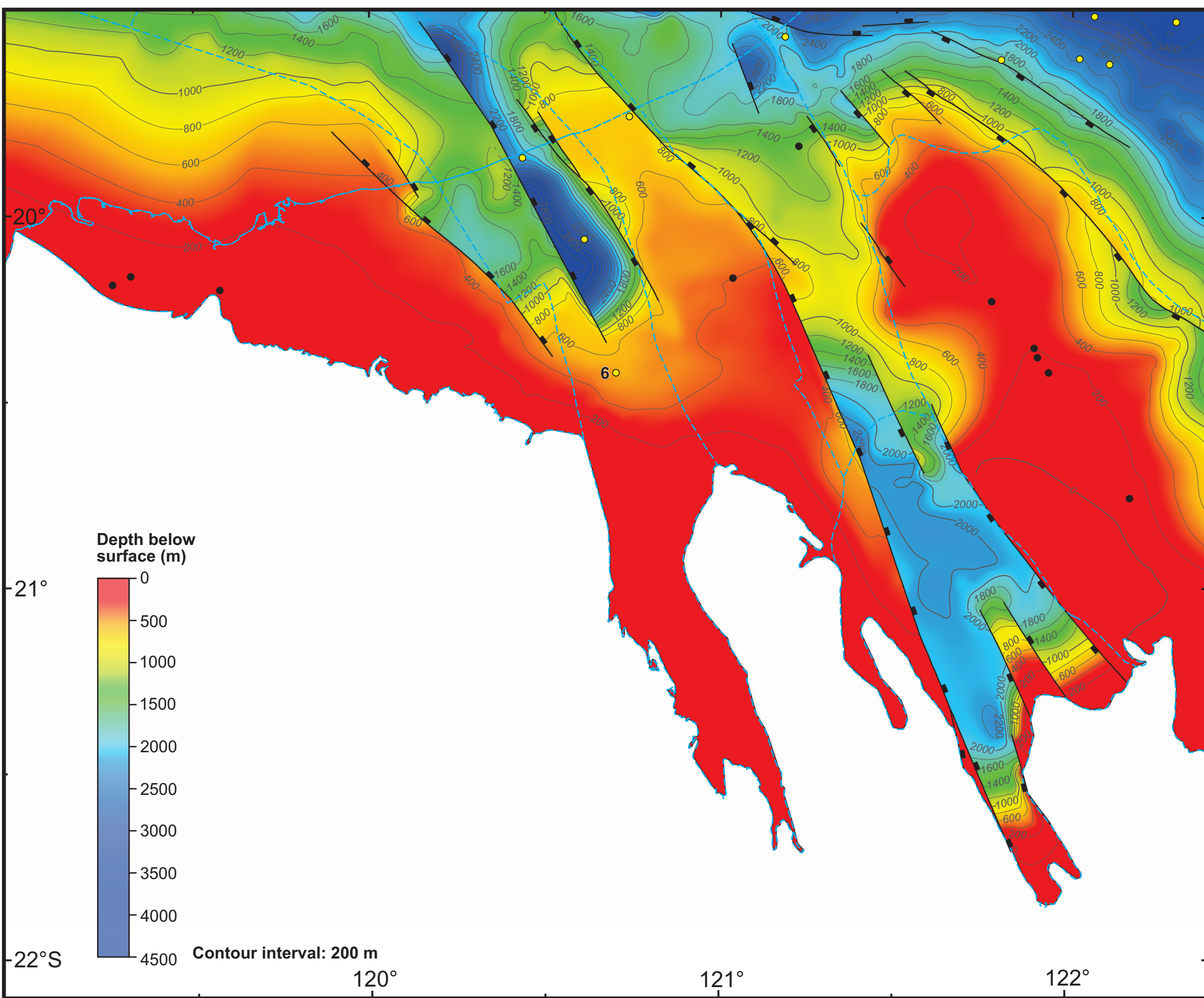
1. southwestern Canning Basin (released as GSWA Report 178)
2. Willara Sub-basin to Broome Platform (Report/Record expected by June 2019)
3. Kidson Sub-basin to Crossland Platform (pending the processing of the Kidson Sub-basin seismic survey and legacy data reprocessing).



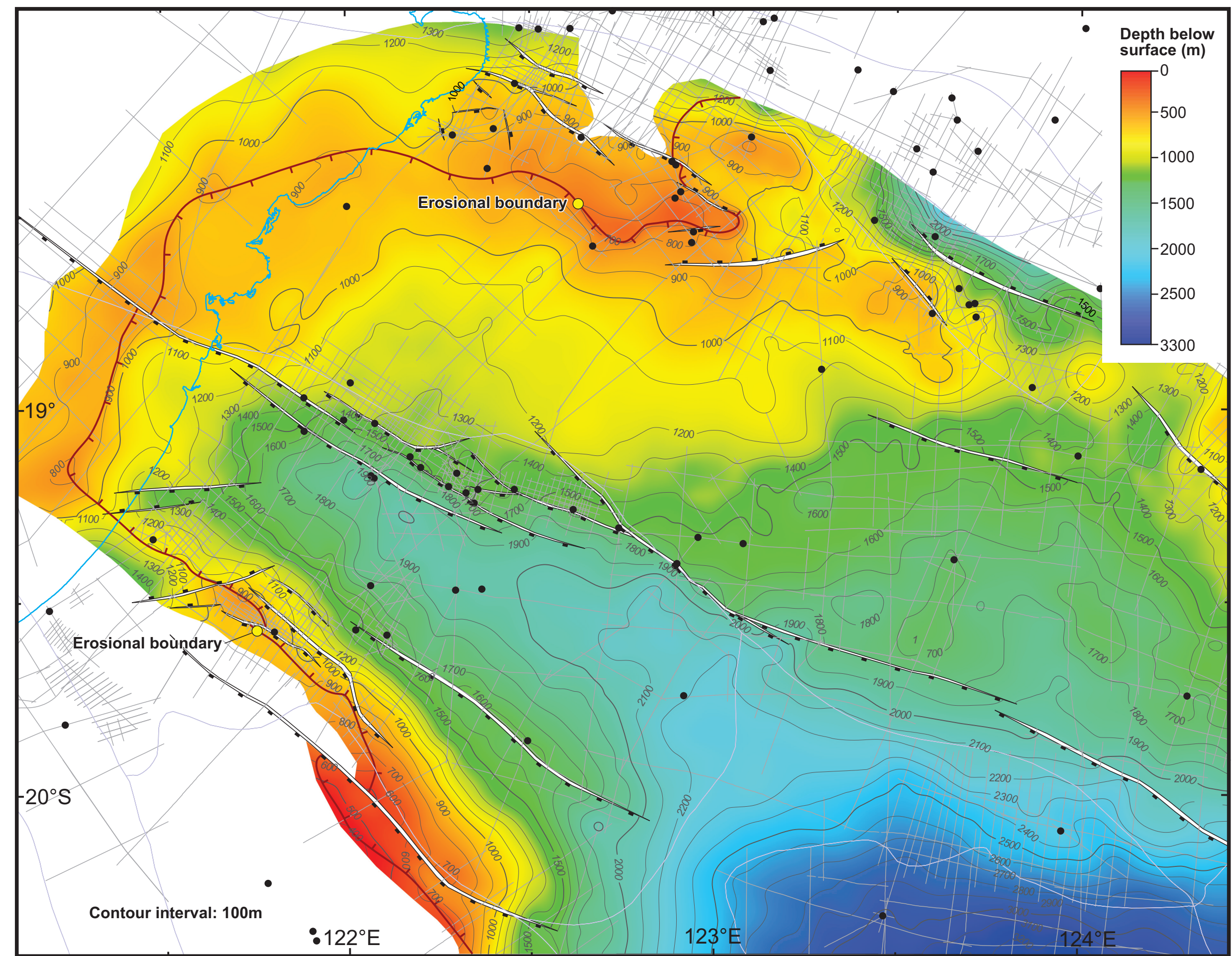
The final results include two-way time, average velocity, depth and isopach maps for various horizons. These maps contribute to an improved understanding of the structural framework and petroleum prospectivity of the southern Canning Basin.



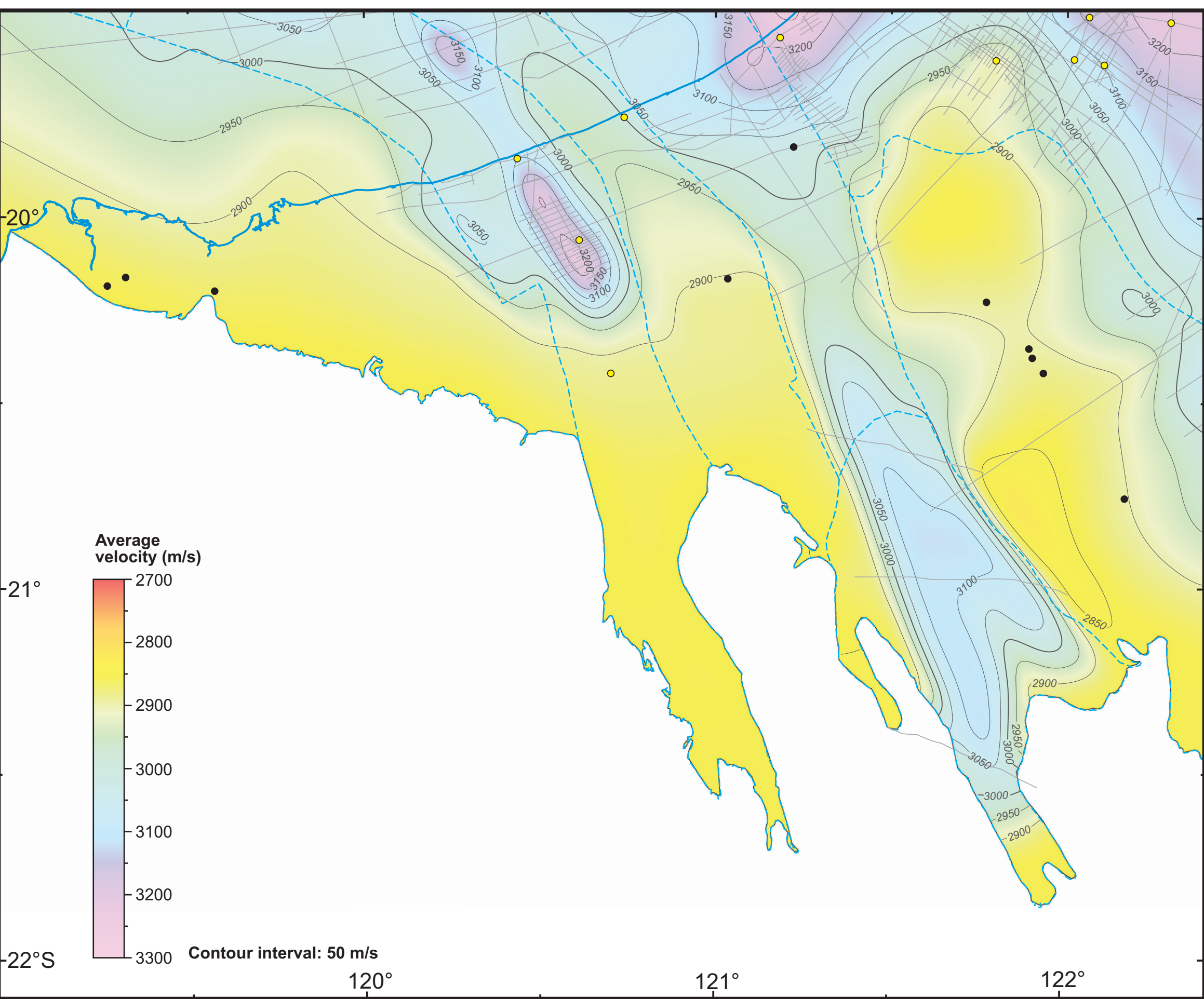
Two-way time to Fitzroy Transpression unconformity in the southern Canning Basin



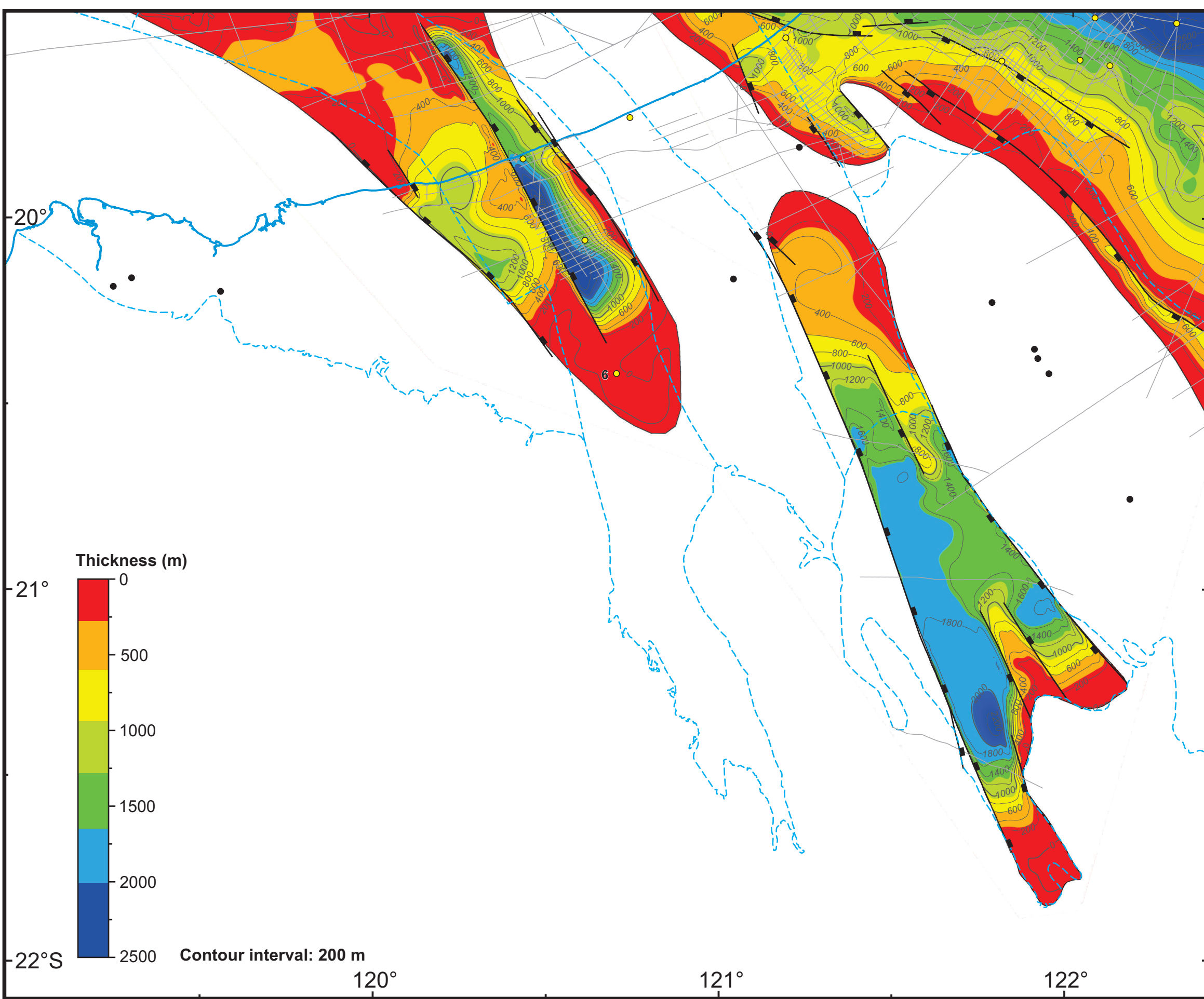
Depth below surface to Top Precambrian basement in the southern Canning Basin



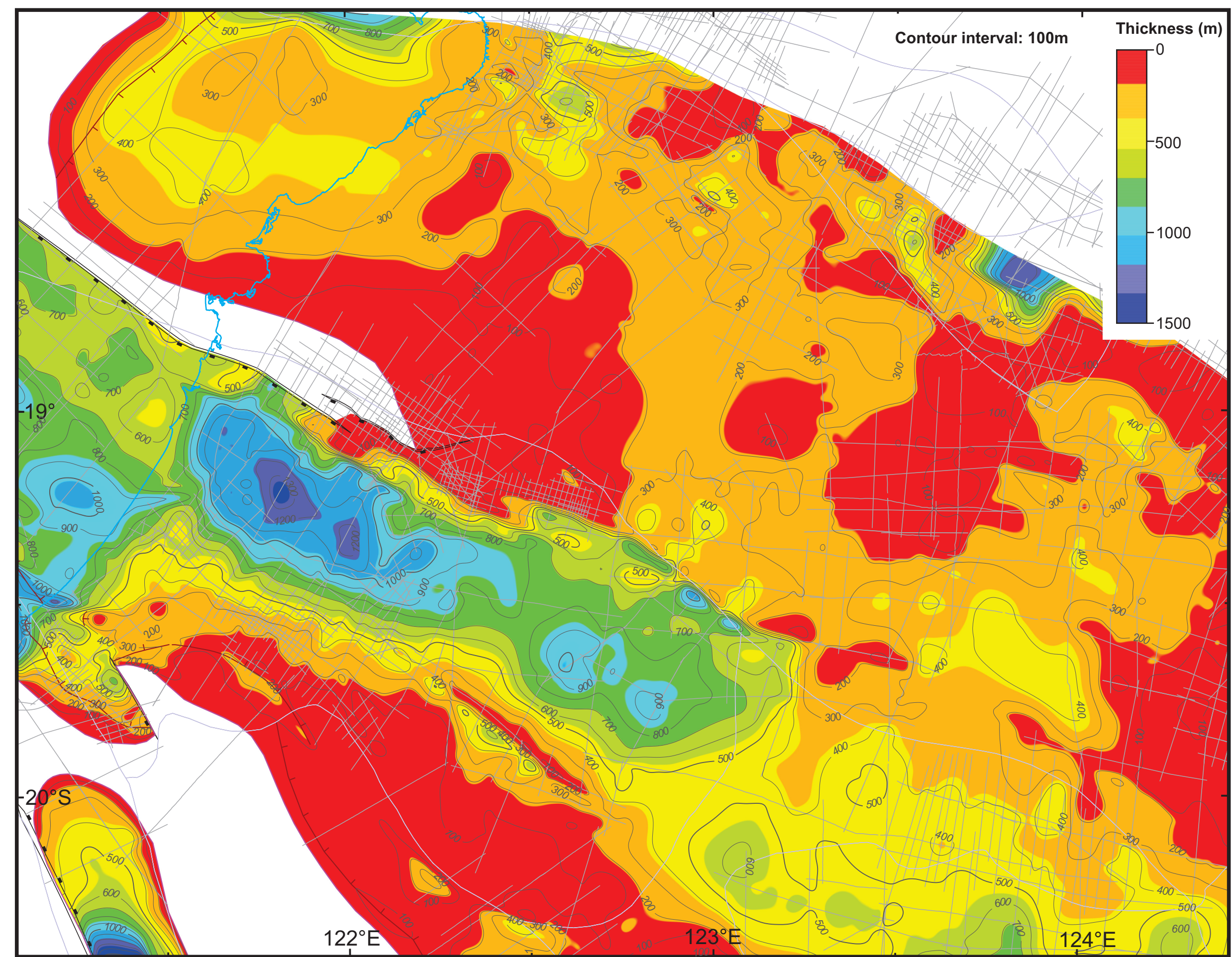
Preliminary depth below surface of the top Goldwyer Formation in the Willara Sub-basin and Broome Platform



Average velocity to Top Precambrian basement in the southern Canning Basin



Isopach map of the pre-Permian strata in the southern Canning Basin



Preliminary isopach map of the Nambeet Formation in the Willara Sub-basin and Broome Platform

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