

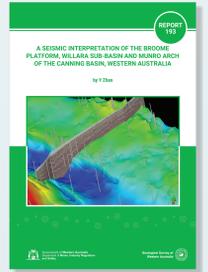
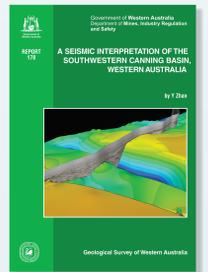
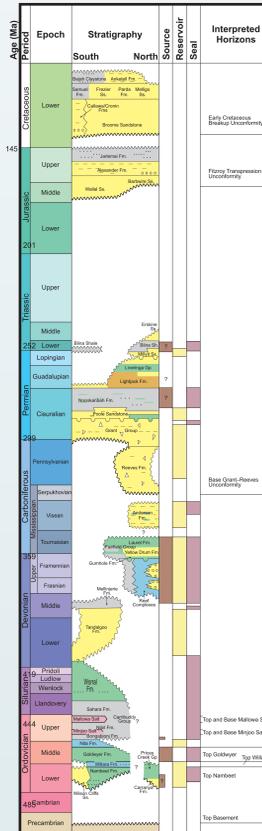
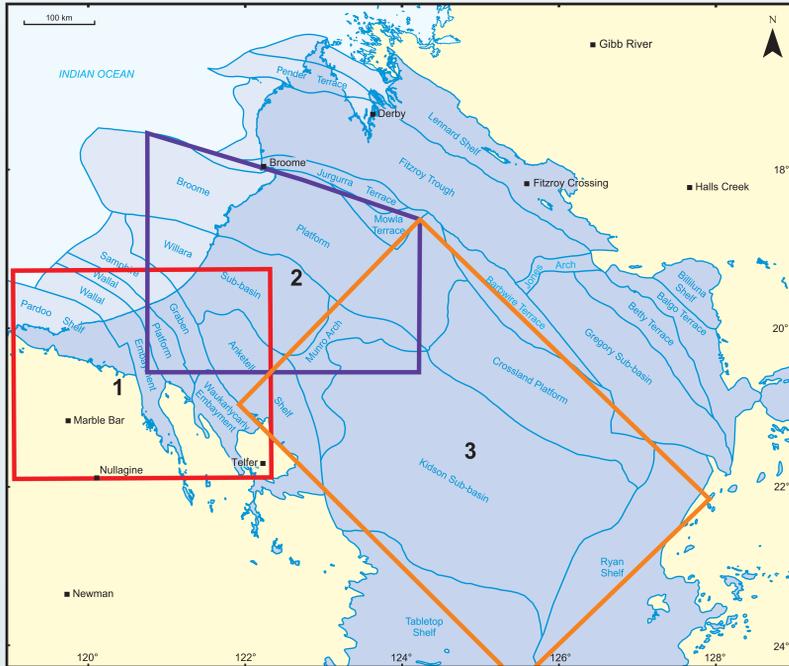
SOUTHERN CANNING BASIN

Regional seismic mapping

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 were compiled more than 20 years ago and focused on large-scale structures (e.g. Canning Basin Top Ordovician 1:1 000 000 subsurface structure – seismic time map, lasky et al., 1991).

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

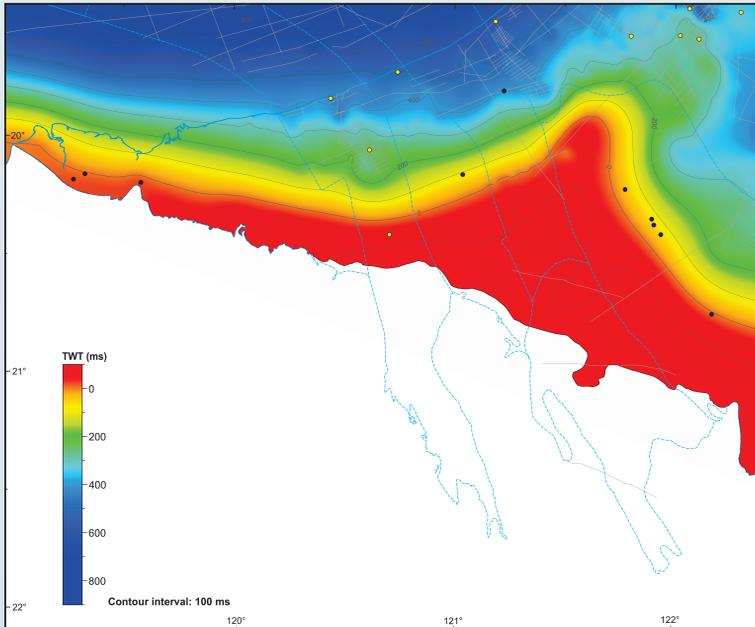
1. southwestern Canning Basin (GSWA Report 178)
2. Willara Sub-basin to Broome Platform (GSWA Report 193)
3. Kidson Sub-basin to Crossland Platform (Report expected by June 2021).



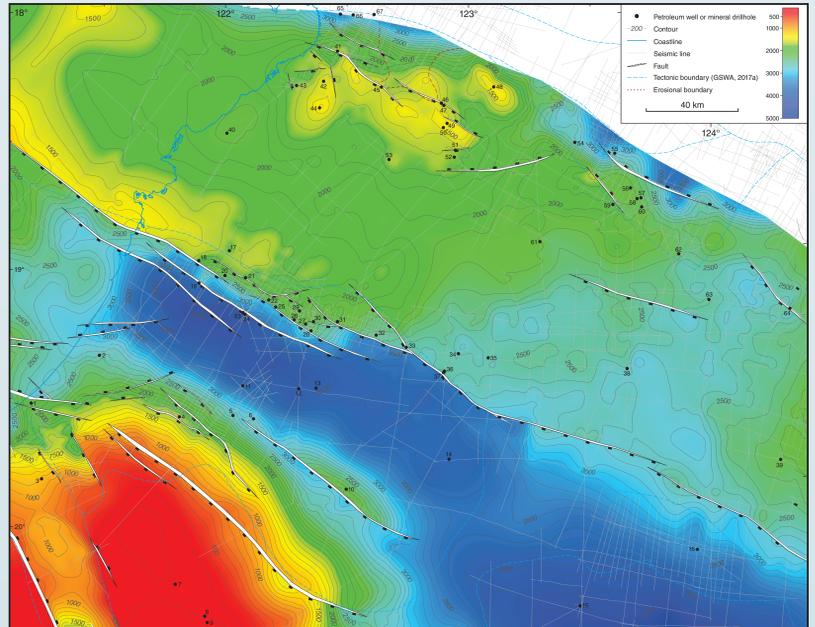
Two interpretation and mapping products released as GSWA Reports 178 and 193 are available for download from the GSWA ebookshop <www.dmp.wa.gov.au/ebookshop>

The final results include two-way time, average velocity, depth and isopach maps for key horizons.

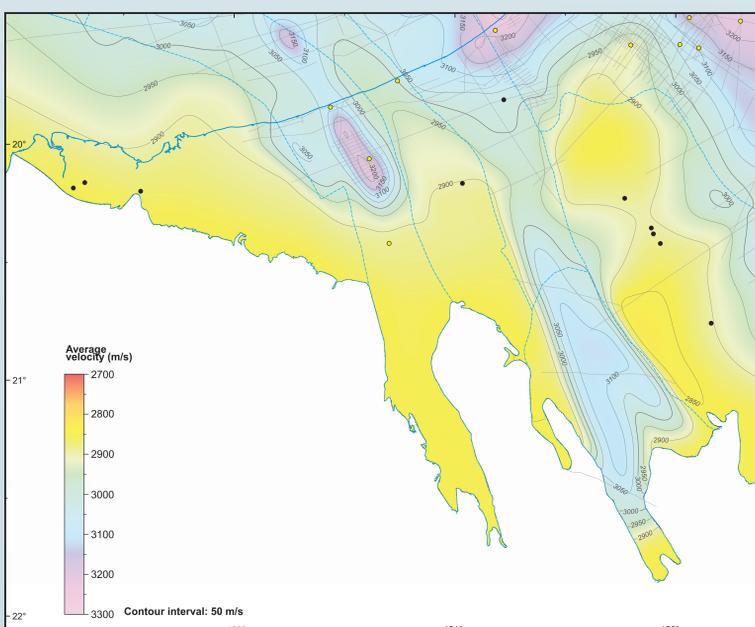
These maps contribute to an improved understanding of the structural framework and petroleum prospectivity of the southern Canning Basin.



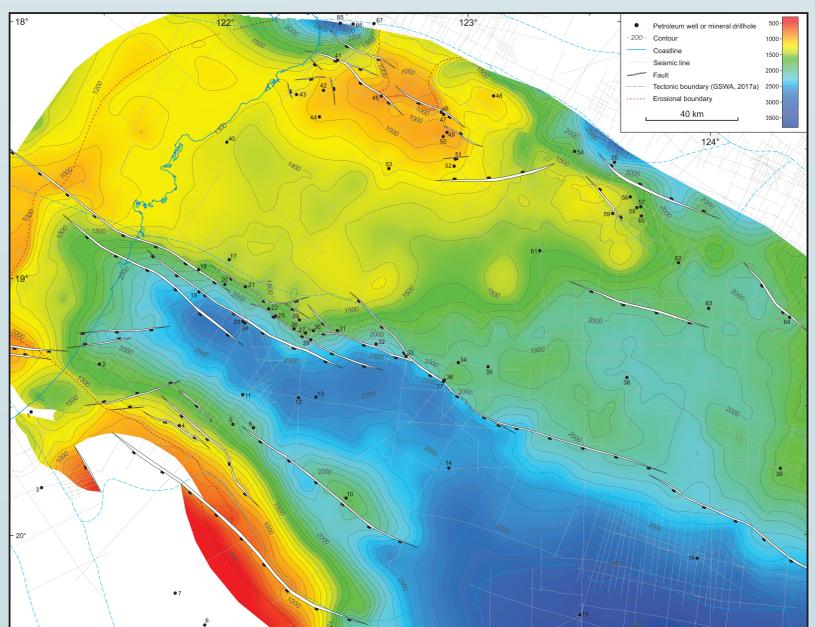
Two-way time to Fitzroy Transpression unconformity in the southern Canning Basin



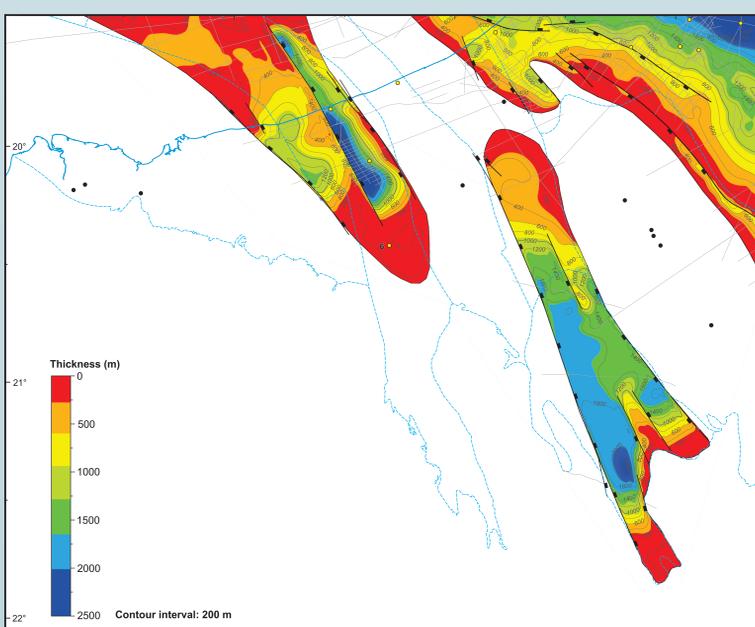
Depth below surface to top basement in the Willara Sub-basin and Broome Platform



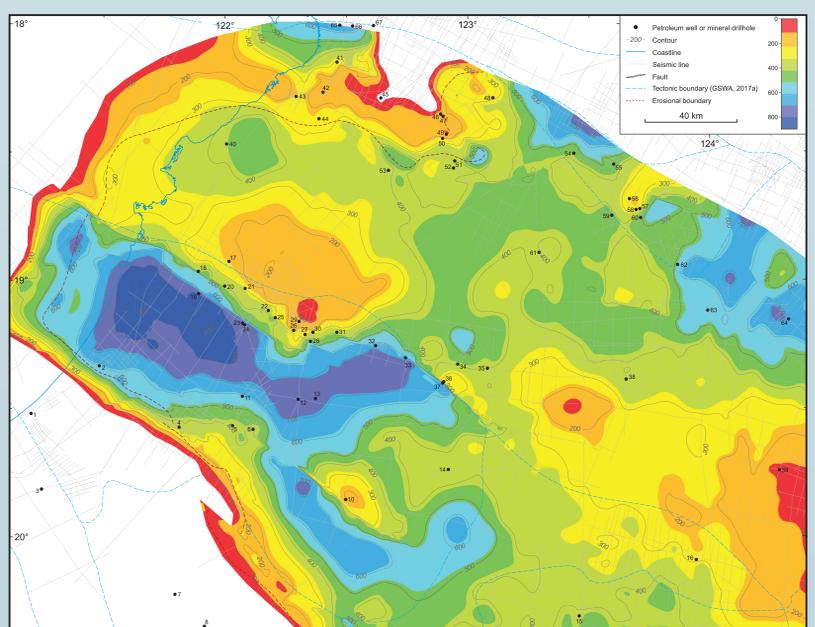
Average velocity to Top Precambrian basement in the southern Canning Basin



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



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



Isopach map of Goldwyer Formation in the Willara Sub-basin and Broome Platform

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