



# Regional Geology of the Northern Carnarvon Basin

## Figure captions

- Figure 1** Location map showing the sedimentary basins of Australia's North West Shelf.
- Figure 2** Map of the Northern Carnarvon Basin showing bathymetry, petroleum well distribution and oil and gas fields
- Figure 3** Tectonic elements map of the Northern Carnarvon Basin showing bathymetry, petroleum well distribution, and oil and gas fields. The locations of seismic cross-sections are also shown.
- Figure 4** Petroleum production facilities, petroleum fields and pipeline infrastructure in the Northern Carnarvon Basin.
- Figure 5** Northern Carnarvon Basin with major tectonic features and the Residual Bouguer satellite gravity data derived from the DNSC08GRA satellite altimetry derived gravity dataset (Andersen et al, 2010).
- Figure 6** Stratigraphy and hydrocarbon discoveries of the Northern Carnarvon Basin based on the Biozonation and Stratigraphy Chart (Kelman et al, 2013). Geologic Time Scale after Gradstein et al (2020).
- Figure 7** Map of the Beagle Sub-basin showing bathymetry, petroleum well distribution, oil and gas fields and pipelines.
- Figure 8** Map of the Dampier Sub-basin showing bathymetry, petroleum well distribution, oil and gas fields and pipelines.
- Figure 9** Map of the Barrow Sub-basin showing bathymetry, petroleum well distribution, oil and gas fields and pipelines.
- Figure 10** Map of the Exmouth Sub-basin showing bathymetry, petroleum well distribution, oil and gas fields and pipelines.
- Figure 11** Map of the western Exmouth Plateau showing bathymetry, petroleum well distribution, oil and gas fields and pipelines.
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- Figure 13** Map of the Rankin Platform showing bathymetry, petroleum well distribution, oil and gas fields and pipelines.
- Figure 14** Seismic section (AGSO line 110/12) across the western Exmouth Plateau and southwestern Barrow Sub-basin. Location of the line is shown in Figure 3.
- Figure 15** Seismic section (AGSO line 101r/09) across the central Exmouth Plateau and Dampier Sub-basin. Location of the line is shown in Figure 3.
- Figure 16** a) Seismic section (line 98j-4168) through the Exmouth Sub-Basin. Location of line shown in Figure 3.

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<b>Figure 16</b>	<b>b)</b> Seismic section (line 98j-4168) through the Exmouth Sub-Basin with interpretation (modified from Czarnota 2009). Location of line shown in Figure 3.
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<b>Figure 27</b>	Map showing the marine reserves, marine parks, multiple use zones, ecological features in the Northern Carnarvon Basin.