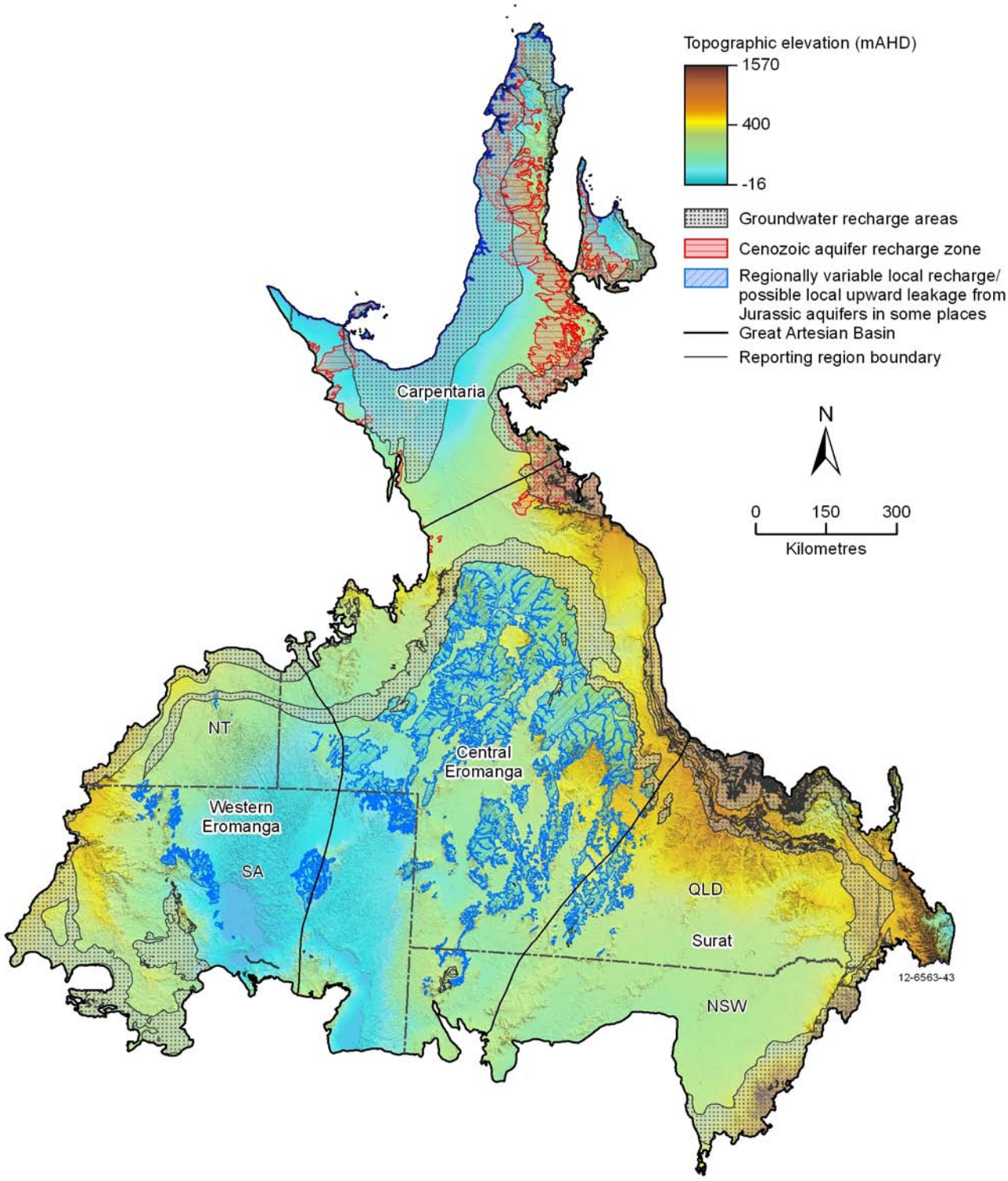

Figure 2.2 Digital elevation model with Great Artesian Basin boundary and aquifer recharge zones
Note: Cenozoic aquifer recharge zones are only shown for the Carpentaria region to recognise the importance of overlying regional aquifers in this area. Similarly, exposure of the overlying Winton Formation is shown as a regionally variable recharge zone. As a consequence of recent work on the western margin the recharge areas in the Western Eromanga region have subsequently been modified in South Australia and in the Northern Territory
[Note: see A3 Figure 1 in the compendium of A3 figures for more detail]

The GAB is stratigraphically bounded above and below by major unconformities (periods of erosion and no deposition). A Late Triassic unconformity defines the base that covers many underlying Triassic and Paleozoic basins as well as crystalline and metamorphic basement (Figure 2.7). A Middle to Late Cretaceous unconformity demarcates its top. The GAB is partly covered in the south-west by the Lake Eyre Basin sequence. Elsewhere the upper surface of the GAB has been altered by several Cenozoic weathering events at approximately 60, 30 and 7 Ma, and has been subsequently