

11 Groundwater temperature

11a Great Artesian Basin groundwater temperature grids

Abstract	<p>Water temperature from the Cadna-owie - Hooray Aquifer, Great Artesian and Laura Basins. Data is available in ASCII grid format.</p> <p>No data value: -9999</p> <p>Grid cell size (X, Y) = 1500 m, 1500 m.</p> <p>Projection is Lambert conformal conic, with central meridian 134 degrees longitude, standard parallels at -18 and -36 degrees.</p> <p>This dataset and associated metadata can be obtained from www.ga.gov.au, using catalogue number 76929.</p>
Lineage	<p>SOURCE:</p> <p>Grids were generated from the following datasets:</p> <p>Great Artesian Basin:</p> <p>The raster was modified from Figure 28 in Radke 2000, which used data from:</p> <ol style="list-style-type: none"> 1. Habermehl, M. A. (2001). Wire-line logged water bores in the Great Artesian Basin, Australia - digital data of logs and water bore data acquired by AGSO. Australian Geological Survey Organisation Bulletin 245. Canberra, Bureau of Rural Sciences: ix, 98 p. 2. Brodie, R., Ivkovic, K & Tucker, A. (1991). The Great Artesian Basin hydrodynamic model borehole database, an unpublished report for the Australian Geological Survey Organisation, Canberra. <p>Laura Basin:</p> <ol style="list-style-type: none"> 1. Unpublished data from the Australian Geological Survey Organisation. The bores sampled are shown in plates 35 and 36 of Bain & Draper (1997), and the data is referred to as "AGSO Great Artesian Basin Groundwater Database". <p>REFERENCES:</p> <p>Bain, J. H. C. and J. J. Draper, Eds. (1997). Atlas of North Queensland geology 1:3 million scale. Brisbane, Australian Geological Survey Organisation, Canberra and Geological Survey of Queensland.</p> <p>Radke, B. M., J. Ferguson, et al. (2000). Hydrochemistry and implied hydrodynamics of the Cadna-owie – Hooray Aquifer, Great Artesian Basin, Australia. Canberra, Bureau of Rural Sciences: xiv, 229 p.</p> <p>METHOD</p> <p>Point source temperature data for the Laura Basin was interpolated using the Topo to Raster tool in the ESRI Spatial analyst toolset.</p>
Extent	N: -10.68753; S: -33.02301; W: 132.1544; E: 152.7543 / AU-NSW/QLD/SA
Scale	1:6000000

