4h Cenozoic geology overlying the Carpentaria and Laura Basins

Abstract	Cenozoic surface geology overlying the Carpentaria and Laura basins showing boundaries of the Bulimba Cycle, Wyaaba Cycle and the Claraville Cycle sediment packages. Data is available as polygons in Shapefile format. This GIS data set was produced for the Great Artesian Basin Water Resource Assessment and used in: 1. Figure 3.4 of Ransley TR and Smerdon BD (Eds) (2012) Hydrostratigraphy, hydrogeology and system conceptualisation of the Great Artesian Basin. A technical report to the Australian Government from the CSIRO Great Artesian Basin Water Resource Assessment. CSIRO Water for a Healthy Country Flagship, Australia. 2. Figure 1.4 of Smerdon BD, Ransley TR, Radke BM and Kellett JR (2012) Water resource assessment for the Great Artesian Basin. A report to the Australian Government from the CSIRO Great Artesian Basin Water Resource Assessment. CSIRO Water for a Healthy Country Flagship, Australia. 3. Figure 5.10 of Smerdon BD, Welsh WD and Ransley TR (Eds) (2012) Water resource assessment for the Carpentaria region. A report to the Australian Government from the CSIRO Great Artesian Basin Water Resource Assessment. CSIRO Water for a Healthy Country Flagship, Australia. This dataset and associated metadata can be obtained from www.ga.gov.au, using catalogue number 75843.
Lineage	SOURCE: Generalised geology based on the 1:1 000 000 Geology of the Carpentaria and Karumba Basins accompanying Smart (1980), incorporating additional stratigraphic data from stratigraphic and petroleum exploration drilling (QDEX database 2012) METHOD: Scanned images were rectified within ArcGIS and vectorised into linework using the ArcScan toolset. Polygons were generated from the vectorised linework and were attributed with a lithology description which was used to symbolise the dataset. REFERENCES: Smart, J., K. G. Grimes, et al. (1980). The Carpentaria and Karumba Basins, north Queensland. Bulletin 202. Australia, Bureau of Mineral Resources, Geology and Geophysics: 73. QDEX database, Queensland Department of Natural Resources and Mines, 2012 <http://mines.industry.qld.gov.au/geoscience/company-exploration-reports.htm >
Extent	West 137.302; East 145.450; North -10.584; South -21.992
Scale	1:6 000 000