1:500 000 State regolith geology of Western Australia

The digital '1:500 000 State regolith geology of Western Australia' is a compilation of existing Geological Survey of Western Australia (GSWA) regolith and surface geology maps and covers the entire State. This product supersedes the 1:500 000 State regolith map (Marnham and Morris, 2003).

Regolith geology from 1:100 000 and 1:250 000 scale maps has been compiled to produce a seamless digital regolith coverage. The coding of regolith units in the layer follows GSWA's regolith classification scheme (GSWA, 2013) with the addition of a suffix representing major physiographic subdivisions across the State.

Regolith units are assigned to 11 landforms. These comprise areas of outcrop (_X), residual or relict material (_R), and nine transported units: colluvium (_C); sheetwash (_W); alluvial/fluvial (_A); lacustrine (_L); eolian (_E); sandplain (_S); coastal, wavedominated (_B); coastal, tide-dominated (_T); and marine (_M). Suffixes used for the physiographic provinces are: CAP, Central Australian Ranges Physiographic Province; KIP, Kimberley Physiographic Province; NAP, North Australian Plateaus Physiographic Province; NPP, Nullarbor Plain Physiographic Province; PIP, Pilbara Physiographic Province; SAP, Sandland Physiographic Province; TPP, Barkly–Tanami Plains Physiographic Province; WCP, Western Coastlands Physiographic Province; and YPP, Yilgarn Plateau Physiographic Province.

Data are held in GDA decimal degrees and provided in the following formats: ESRI File Geodatabase, ESRI shapefile, MapInfo TAB, and QGIS layer file. Attribute tables that underpin the spatial data include links to extracts from the GSWA Explanatory Notes System (ENS) module for regolith units.

Explore online at www.dmp.wa.gov.au/geoview

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