GEOLOGICAL MAP OF WESTERN AUSTRALIA 1998

DEPARTMENT OF MINERALS AND ENERGY
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GEOLOGICAL SURVEY OF WESTERN AUSTRALIA
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SYMBOLS

Broken lines indicate extrapolation beneath younger rocks

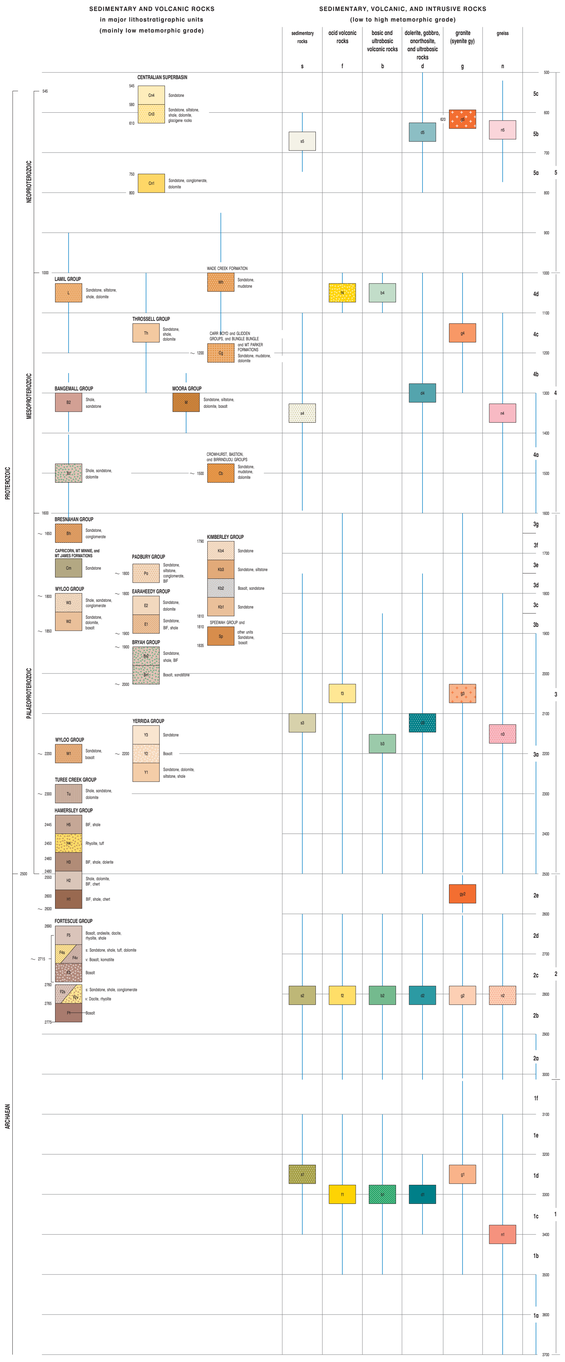
- Geological boundary
- Fault
- Normal fault; ticks on downthrown side
- Thrust; teeth on upthrust side
- Thrust reactivated as normal fault
- Anticline
- Syncline
- Trend of layering in crystalline basement
- Dolerite dyke
- Dolerite dyke interpreted from aeromagnetic data
- Syenite; small intrusion (gp3) dyke
- Dolerene, with radiometric age in Ma (komatiite, lamprophyre, kimberlite, carbonatite)
- Meteorite or camet impact structure
- Salt diapir
- Thickness of Phanerozoic sedimentary rocks (km)
- Thickness of mainly Neoproterozoic sedimentary rocks in the Officer Basin (km)
- Water mask
- Road or track
- Railway
- City
- Townsite
  - population 10 000—19 000
  - 1 000—10 000
  - less than 1 000
- Homestead
- Locality
- Watercourse, predominantly ephemeral
- Palaeodrainage, inactive or rarely active
- Bathymetric contour (m)

PHANEROZOIC ROCKS

PRECAMBRIAN ROCKS

SEDIMENTARY AND VOLCANIC ROCKS (in major lithostratigraphic units (mainly low metamorphic grade)

SEDIMENTARY, VOLCANIC, AND INTRUSIVE ROCKS (low to high metamorphic grade)



SCALE 1:2 500 000

0 100 200 300 400

KILOMETRES

ALBERS EQUAL AREA PROJECTION WITH CENTRAL MERIDIAN 121° 00' AND STANDARD PARALLELS 17° 30' AND 31° 30'
HORIZONTAL DATUM: GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94)

Compiled by J. S. Myers and R. M. Hocking 1998
Information derived from published and unpublished sources, mainly the Geological Survey of Western Australia, Australian Geological Survey Organization, oil and mineral exploration companies, and GeoSat and ERS-1 satellites

Cartography by S. Hamill, P. Taylor, and M. Prause. Edited by C. Strong, B. Williams, K. Greenberg, and G. Loan
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