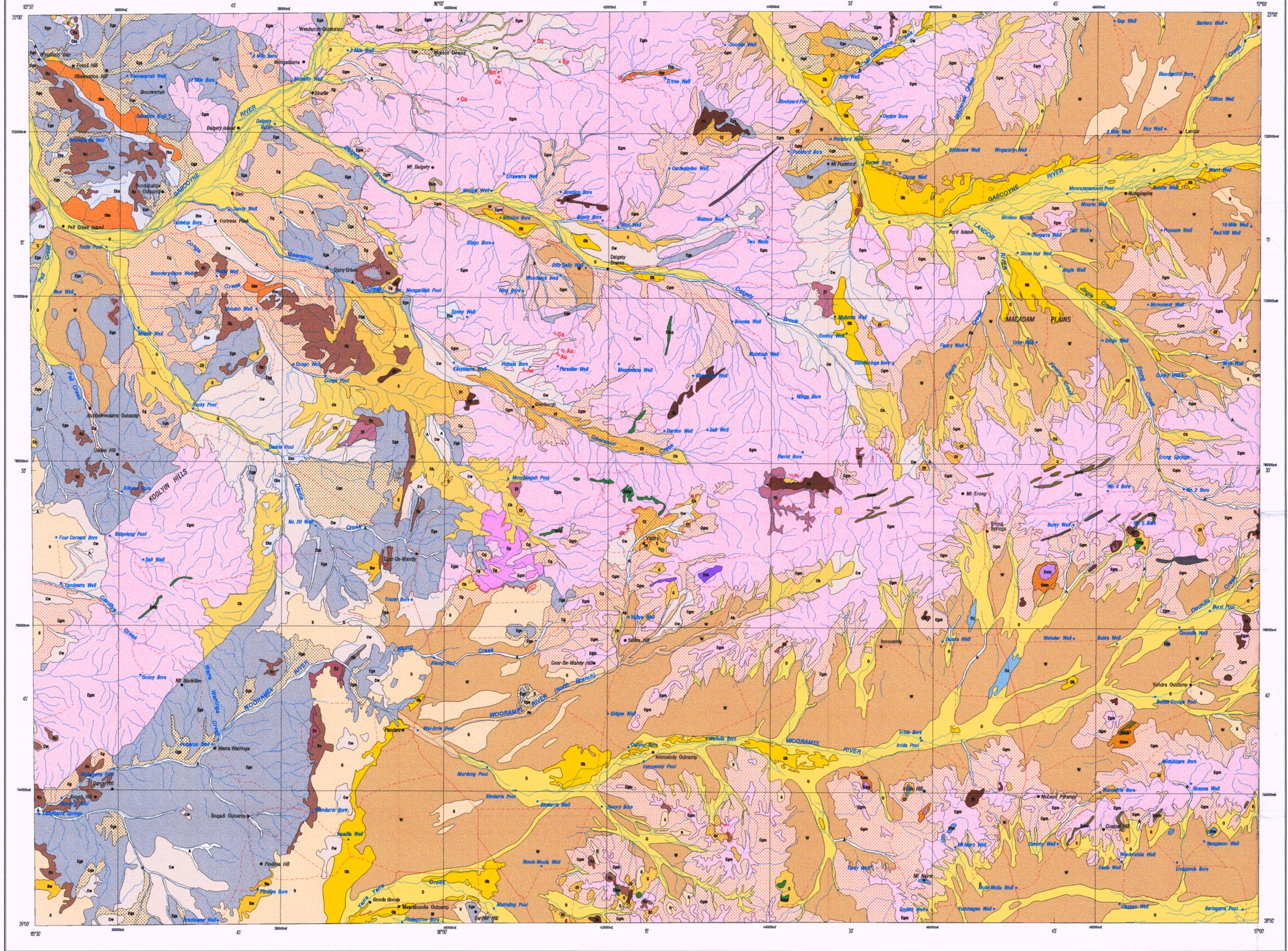


GLENBURGH

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

AUSTRALIA 1:250 000 REGOLITH GEOCHEMISTRY SERIES

SHEET SG 50-6



REFERENCE

RELICT REGIME

- Rz Silcrete, sometimes weakly ferruginized, forming remnant land surfaces; may include chert nodules or calcrete
- Rf Iron-rich duricrust forming remnant land surfaces

EROSIONAL REGIME

- Eg Outcrop of saprock, bedrock, and subcrop with locally derived sand and sandy silts. Coarse boundary lag may be present adjacent to prominent ridges derived from quartzite/epidiorite rock
- Ega As for 'Eg': derived from quartzite/epidiorite rock
- Egm As for 'Eg': derived from quartzite/epidiorite metamorphic rock
- Eks As for 'Eg': derived from carbonate-rich sedimentary rock
- Elm As for 'Eg': derived from carbonate-rich metamorphic rock
- Emp As for 'Eg': derived from coarse-grained bromargenite rock
- Emm As for 'Eg': derived from ferruginous metamorphic rock
- Euv As for 'Eg': derived from fine-grained ultramafic rock
- Eum As for 'Eg': derived from ultramafic metamorphic rock
- Eqa As for 'Eg': derived from quartz-rich outcrop
- Efa As for 'Eg': derived from ferruginized outcrop
- Eln As for 'Eg': derived from iron-rich metamorphic rock
- Ez As for 'Eg': derived from silicified outcrop

DEPOSITIONAL REGIME

DOMINANTLY COLLUVIAL

- C Unconsolidated and semi-consolidated sand, silt, gravel, and rubble derived from various sources
- Cg As for 'C': derived mainly from quartzite/epidiorite rocks
- Cga As for 'C': derived mainly from quartzite/epidiorite sedimentary rocks
- Cgm As for 'C': derived mainly from quartzite/epidiorite metamorphic rocks
- Cks As for 'C': derived mainly from carbonate-rich sedimentary rocks
- Cmm As for 'C': derived mainly from ferruginous metamorphic rocks
- Cum As for 'C': derived mainly from ultramafic metamorphic rocks
- Cf As for 'C': strongly ferruginized
- Cw Consolidated to semi-consolidated sand, silt, gravel, and rubble
- Ch Consolidated to semi-consolidated sand, silt, gravel, and rubble; commonly deeply indurated; may include areas of hardpans

DOMINANTLY ALLUVIAL

- A Gravely sand and sandy clay of active alluvial channels with ferruginous and variably siliceous fragments
- Ah Consolidated colluvium (may include areas of hardpans) associated with active alluvial channels
- O Overbank deposits, sand or clay rich alluvium and colluvium on drainage floors. Includes non-saline clayey calcrete fragments
- Ok Valley calcrete, silicified in places
- Oz Siliceous material associated with overbank deposits
- W Sand/silt dominated colluvium or sheetwash; merges into alluvial plains; may be scattered with small lakes

DOMINANTLY EOLIAN

- S Eolian and residual sand
- Sw Consolidated sandplain

SYMBOLS

- Regolith boundary
- Minor road
- Track
- Breakaway
- Watercourse
- Lake
- Homestead
- Locality
- Prospect
- Mineral occurrence
- Barite
- Copper
- Gold
- Uranium

DEPOSITIONAL REGIME

DOMINANTLY COLLUVIAL

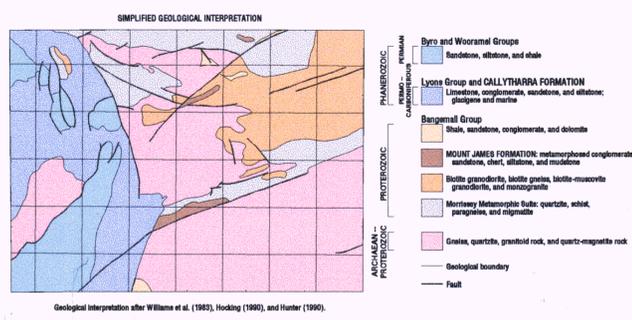
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SHEET INDEX

KENNEDY RANGE SG 50-1	MOUNT PHILLIPS SG 50-2	MOUNT EBERTON SG 50-3
WOORAMEL SG 50-5	GLENBURGH SG 50-6	ROBINSON RANGE SG 50-7
YARWINGA SG 50-9	BYRO SG 50-10	BELELE SG 50-11

Edited by D. Ferdinando and G. Loan
 Cartography by G. Jose and D. Ladbrook
 Topography from Australian Surveying and Land Information Group Sheet SG 50-6 and modified from geological field survey (1997)
 This map was compiled and produced using a Geographic Information System (Arc/INFO), and the data are available in digital form
 Published by the Geological Survey of Western Australia. Copies of this map, or extracts of the data, are available from the Information Centre, Department of Minerals and Energy, 100 Plain Street, East Perth, W.A., 6004. Phone (08) 9222 3459, Fax (08) 9222 3444



DEPARTMENT OF MINERALS AND ENERGY
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GOVERNMENT OF WESTERN AUSTRALIA
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 MINISTER FOR MINES

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA
 DAVID BLIGHT, DIRECTOR

SCALE 1:250 000

TRANSVERSE MERCATOR PROJECTION
 HORIZONTAL DATUM: AUSTRALIAN GEODETIC DATUM 1984
 VERTICAL DATUM: AUSTRALIAN HEIGHT DATUM
 Grid lines indicate 20 000 metre interval of the Australian Map Grid Zone 50

Compiled by J. Collier and J.A. Faulkner, 1997
 Field observations by C. Benger, S. Coombes, L. Copp, R. Hocking, S. Sheppard, K. Chalmers, and D. Hill (GSWA), 1997
 Compiled using Landsat TM images 1986, black and white aerial photography 1995, GSWA geology 1979 - 1997, and field observations 1997
 The recommended references for this map are: COCKER, J., FAULKNER, J.A., and SANDERS, A.L., 1989, Glenburgh, W.A., Sheet SG 50-6 - Regolith materials, Plate 1: Western Australia Geological Survey, 1:250 000 Regolith Geochemistry Series.

REGOLITH MATERIALS

REGOLITH GEOCHEMISTRY SERIES
GLENBURGH
 SHEET SG 50-6
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