

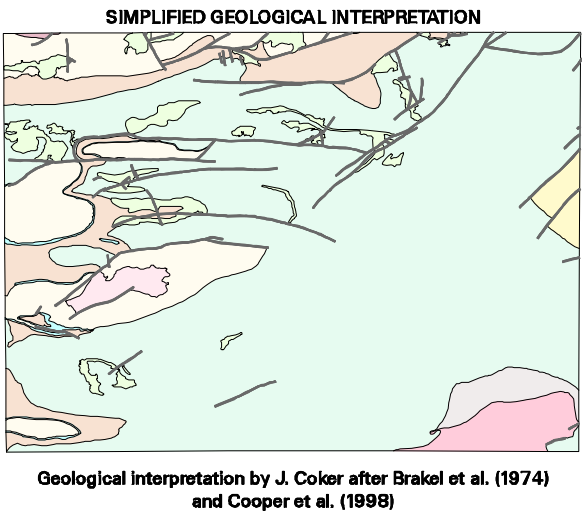
COMPANY PROJECTS WITH SURFACE
GEOCHEMISTRY DATA IN OPEN-FILE
REPORTS (at March 1998)
AREAS OF EXPLORATION REPORTED BETWEEN
1965 AND 1996

Project period reported within
(Various colour shades used for ease of project identification)

[Pink box]	1965 - 1970
[Light green box]	1971 - 1975
[Light blue box]	1976 - 1980
[Light orange box]	1981 - 1985
[Yellow box]	1986 - 1990
[Green box]	1991 - 1996

Number within project area is a database ID number (see Appendix 2)

---	Major road
- - -	Minor road
- - -	Track
---	Watercourse
---	Lake
■	Tengadoo
•	Locality
ILGARARI	Mining locality
⋈	Mine
⋈	Prospect
•	Mineral occurrence
Br	Barite
Cu	Copper
Au	Gold
Fe	Iron
Pb	Lead
Mg	Magnesium
Mn	Manganese
Ag	Silver
Zn	Zinc



SIMPLIFIED GEOLOGICAL INTERPRETATION

Geological Interpretation by J. Collier after Brakel et al. (1974) and Cooper et al. (1998)

[Green box]	Dolerite, gabbro, and basalt; sills and dykes
[Yellow box]	Savory Group
[Light green box]	Sandstone with conglomerate lenses; minor siltstone
[Light blue box]	Bangemall Group
[Light blue box]	Collier Subgroup
[Light blue box]	Siltstone, mudstone, sandstone, conglomerate, dolomite, and subordinate chert
[Light blue box]	Edmund Subgroup
[Light blue box]	Sandstone, siltstone, mudstone, dolomite, and subordinate chert
[Light blue box]	DISCOVERY CHERT massive or laminated chert, mudstone, and siltstone
[Light blue box]	Mudstone, siltstone, chert, dolomite, sandstone (locally dolomitic), felsic volcanic rock, and subordinate conglomerate
[Light blue box]	Brenahan Group
[Light blue box]	Conglomerate, pebbly sandstone, sandstone, siltstone, and mudstone
[Light blue box]	Gascoyne Complex
[Light blue box]	Blotite-muscovite monzogranite
[Light blue box]	Marymia Inlier
[Light blue box]	Metamorphosed granite and minor sedimentary rock
[Light blue box]	Metasedimentary rock
[Light blue box]	Geological boundary
[Light blue box]	Fault



SHEET INDEX		
TUREE CREEK SF 50-15	NEWMAN SF 50-16	ROBERTSON SF 51-13
MOUNT EBERTON SG 50-3	COLLIER SG 50-4	BULLEN SG 51-1
ROBINSON RANGE SG 50-7	PEAK HILL SG 50-3	NABBERU SG 51-5

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REGOLITH GEOCHEMISTRY SERIES
COLLIER
SG 50-4
FIRST EDITION 1999
Western Australia 1999

Edited by N. Tetlow and G. Loan
Cartography by G. Jose and T. Lenane
Topography from Australian Surveying and Land Information Group and Department of Land Administration Sheet SG 50-4 and modified from geological field survey (1998)
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 3450, Fax (08) 9222 3444



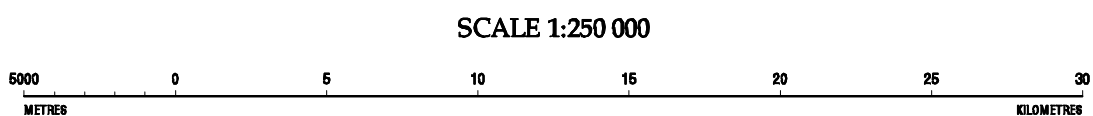
DEPARTMENT OF MINERALS AND ENERGY
L.G. RANFORD, DIRECTOR GENERAL



GOVERNMENT OF WESTERN AUSTRALIA
HON. NORMAN MOORE, M.L.C.
MINISTER FOR MINES



GEOLOGICAL SURVEY OF
WESTERN AUSTRALIA
DAVID BLIGHT, DIRECTOR



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. A. Faulkner, 1998
Compiled from the Geological Survey of Western Australia's SPINDEX database and open-file mineral exploration reports
The recommended reference for this map is:
FAULKNER, J. A., 1998. Company projects with surface geochemistry data in open-file reports (at March 1998), areas of exploration reported between 1965 and 1996, Collier, W.A. Sheet SG 50-4, in: Geochemical mapping of the Collier 1:250 000 sheet by J. COOPER and J. A. FAULKNER: Western Australia Geological Survey, 1:250 000 Regolith Geochemistry Series Explanatory Notes, Plate 3

WARNING: Inks are water soluble and will fade with prolonged exposure to light