

SAMPLE LOCATIONS



















Sample point references

Stream sample

Sheetwash sample

Soil sample

Lake sample

	Major road
	Minor road
	Track
	Watercourse
	Lake
	Homestead
	Locality
	Mining locality
	Mine
	Prospect
	Mineral occurrence
	Barite
	Copper
	Gold
	Iron
	Lead
	Magnesium
	Manganese
	Silver
	Zinc

GEOLOGICAL INTERPRETATION

P_d	Dolerite, gabbro, and basalt; sills and dykes
Savory Group	
P_S	Sandstone with conglomerate lenses; minor siltstone
Bangemall Group	
Collier Subgroup	
P_MC	Siltstone, mudstone, sandstone, conglomerate, dolomite, and subordinate chert
Edmund Subgroup	
P_MBU	Sandstone, siltstone, mudstone, dolomite, and subordinate chert
P_Mld	DISCOVERY CHERT: massive or laminated chert, mudstone, and siltstone
P_MBI	Mudstone, siltstone, chert, dolomite, sandstone (locally dolomitic), felsic volcanic rock, and subordinate conglomerate
Bresnahan Group	
P_B	Conglomerate, pebbly sandstone, sandstone, siltstone, and mudstone
Gascoyne Complex	
AP_gm	Biotite-muscovite monzogranite
Marymia Inlier	
AgMi	Metamorphosed granite and minor sedimentary rock
AsMi	Metasedimentary rock

- Geological boundary
- Fault
- Syncline
- Anticline



SHEET INDEX

TUREE CREEK SF 50-15	NEWMAN SF 50-18	ROBERTSON SF 51-13
MOUNT EGERTON SG 50-3	COLLIER SG 50-4	BULLEN SG 51-1
ROBINSON RANGE SG 50-7	PEAK HILL SG 50-8	NABBERU SG 51-5

SAMPLE LOCATIONS

REGOLITH GEOCHEMISTRY SERIES

SHEET SG 50-4

FIRST EDITION 199

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

Edited by G. Loan and N. Tetlaw
Cartography by G. Jose
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



DEPARTMENT OF MINERALS AND ENERGY
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MINISTER FOR MINES



GEOLOGICAL SURVEY OF
WESTERN AUSTRALIA
DAVID BLIGHT, DIRECTOR

SCALE 1:250 00

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 58

Sampling 1998 by J. Coker, R. Iasky, K. Pye, and S. Shevchenko (from GSWA), and S. Beesjou, J. Bradley, A. Lee, S. McGuinness, and B. White

Total sample sites: 1008; 758 stream sediments, 192 sheetwash, 54 soil, and 4 lake sediments

Analyst: Genalysis Laboratories; **Minimum sample size:** 1.5 kg
Fraction of sample analysed: >0.45 mm <2mm

Geological interpretation by J. Coker after Brakel et al. (1974) and Cooper et al. (1998)

The recommended reference for this map is:
COKER, J., 1999, Sample locations, Collier, W.A. Sheet SG 50-4, in Geochemical mapping of the Collier 1:250 000 sheet by J. COKER and J. A. FAULKNER: Western Australia Geological Survey, 1:250 000 Regolith Geochemistry Series Explanatory Notes, Plate 1