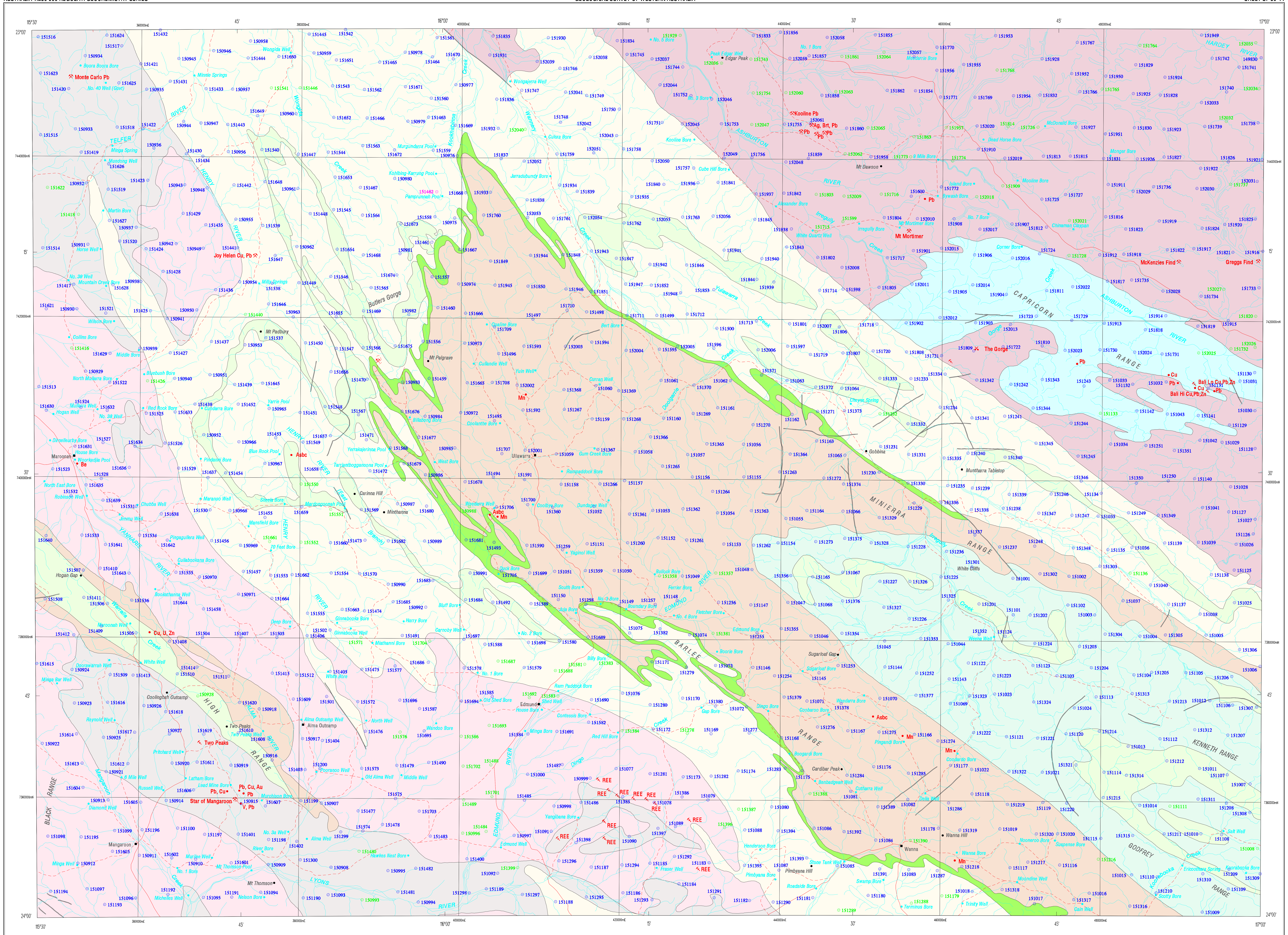
AUSTRALIA 1:250 000 REGOLITH GEOCHEMISTRY SERIES

EDMUND

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

SHEET SF 50-14



SAMPLE LOCATIONS

SYMBOLS

- Formed road
- Track
- Watercourse
- Lake
- Wanna — Homestead
- Two Peaks — Locality
- Kooline — Mine (gold, unless otherwise indicated)
- Mt Mortimer — Opencut (gold, unless otherwise indicated)
- The Gorge — Alluvial workings (gold, unless otherwise indicated)
- Bali Hi — Prospect (gold, unless otherwise indicated)
- Mineral occurrence
- Asbc — Asbestos, chrysotile
- Brt — Barite
- Be — Beryllium
- Cu — Copper
- Au — Gold
- Pb — Lead
- Mn — Manganese
- REE — Rare-earth elements
- Ag — Silver
- U — Uranium
- V — Vanadium
- Zn — Zinc

Sample point references

- 151850 — Stream sample
- 151387 — Sheetwash sample
- 151462 — Soil sample

GEOLOGICAL INTERPRETATION

PROTEROZOIC

- Dolerite

Bangemall Group

Collier Subgroup

- Siltstone, mudstone, sandstone, conglomerate, dolomite, and subordinate chert

Edmund Subgroup

- Sandstone, siltstone, mudstone, dolomite, and subordinate chert; intruded by abundant dolerite dykes and sills
- DISCOVERY CHERT: massive or laminated chert, mudstone, and siltstone
- Dolomite, mudstone, siltstone, chert, sandstone (locally dolomitic), and subordinate conglomerate

- CAPRICORN FORMATION: conglomerate, ferruginous sandstone, iron-rich siltstone and mudstone, dolomite, and felsic volcanic rock

ARCHAEAN -- PROTEROZOIC

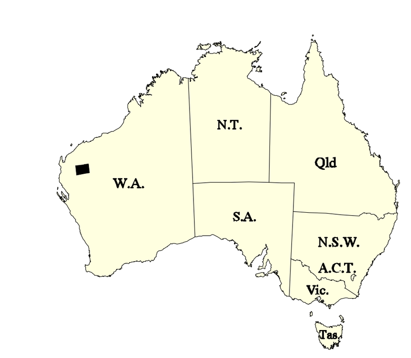
Gascoyne Complex

- Granite, monzogranite, gneiss, and amphibolite
- Quartz-muscovite schist, muscovite schist, and phyllite

Wyloo Group

- Metamorphosed sandstone, siltstone, mudstone, conglomerate, dolomite, and mafic and felsic volcanic rocks

- Geological boundary
- Fault



SHEET INDEX

YANREY SF 50-9	WYLOO SF 50-10	MOUNT BRUCE SF 50-11
WINNING POOL SF 50-13	EDMUND SF 50-14	TUREE CREEK SF 50-15
KENNEDY RANGE SG 50-1	MOUNT PHILLIPS SG 50-2	MOUNT EGERTON SG 50-3

SAMPLE LOCATIONS

REGOLITH GEOCHEMISTRY SERIES

EDMUND

SHEET SF 50-14

FIRST EDITION 1998

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Edited by N. Tetlaw and C. Brien

Cartography by L. Kukuls

Topography from Australian Surveying and Land Information Group Sheet SF 50-14 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
L.C. RANFORD, DIRECTOR GENERAL

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

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA
DAVID BLIGHT, DIRECTOR

SCALE 1:250 000

5000 METRES 0 5 10 15 20 25 30 KILOMETRES

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

Sampling by D. Hardwick, M. Titler, and A. Franchitto (Geochemex Australia), A. Abeysinghe, R. Iasky, and E. Peiris (GSWA), 1997

Total sample sites: 1054; 963 stream sediment, 90 sheetwash, 1 soil

Analyst: Genalysis Laboratory Services. Minimum sample size: 1.5 kg. Fraction of sample analysed: > 0.45mm < 2mm

Geological interpretation after Cooper et al. (in prep.a)

The recommended reference for this map is: PYE, K. J., COKER, J., FAULKNER, J. A., and SANDERS, A. J., 1998, Edmund, W.A. Sheet SF 50-14 -- Sample locations, Plate 2: Western Australia Geological Survey, 1:250 000 Regolith Geochemistry Series.

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