

SAMPLE LOCATIONS

- Sample point reference**
- 161931 Stream sediment
 - 161958 Sheetwash
 - 161930 Soil
 - 161901 Sandplain
 - 162056 Lake sediment
- SYMBOLS**
- Highway
 - Formed road
 - Track
 - Watercourse
 - Lake
 - Yard
 - Homestead
 - Red Hill
 - Locality
 - Mary Springs Mine
 - Kalbarri Chalk Prospect
 - Lake Murrumbidgee Openpit
 - Clay
 - Copper
 - Lead
 - Limestone
 - Zinc

GEOLOGICAL INTERPRETATION

- Qt TAMALA LIMESTONE: shoreline and coastal eolian deposits; carbonate-rich sedimentary rock
 - Kt TOOLONGA CALCILUTITE: marine limestone, chalk, marl, and greensand; dominantly calcareous pelagic deposits
 - KWI Winning Group: Marine and coastal shale, siltstone, greenward, and radiolarite; dominantly siliceous pelagic deposits, and basal sandstone
 - PL Lyons Group / NANGETY FORMATION: Marine and continental siltstone, shale, sandstone, and limestone; glacially influenced
 - O-D Continental to marine sandstone and minor conglomerate
 - P_n Northampton Complex: Garnet granulite, quartz-feldspar gneiss, amphibolite, and schist
 - P_BA Badgacalla Group and NILLING FORMATION: Siltstone, shale, sandstone, and dolomite
 - Ag Yilgarn Craton: Granite and gneiss with local amphibolite and ultramafic rock
- Geological boundary
Fault



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

SAMPLE LOCATIONS

REGOLITH GEOCHEMISTRY SERIES

AJANA

SHEET SG 50-13, part SG 49-16

FIRST EDITION 2000

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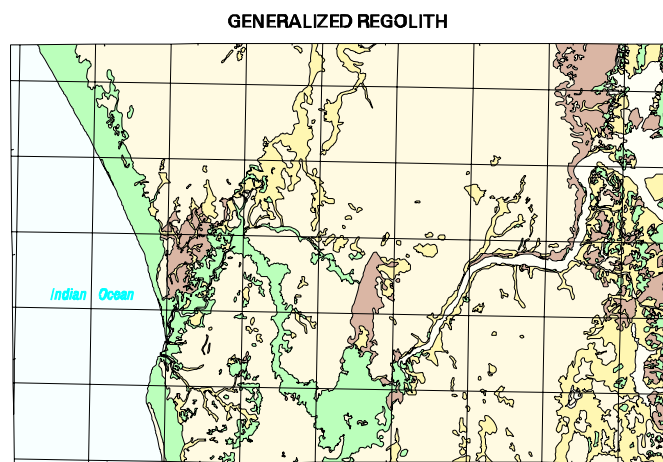
Edited by D. Ferdinando, K. Greenberg, and C. Brian
Cartography by M. Viscic, and L. Kusile
Topography from Australian Surveying and Land Information Group, and Department of
Land Administration Sheet SG 50-13

This map was compiled and produced using a Geographic Information System
(ArcInfo), 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

Compiled by A. J. Sanders 1999
Sampling by M. Fetherston, A. Franchitto, F. Irmies (from GSWA), and S. Baejeou,
A. Lee, and S. McGuinness
Total sample sites: 820: 100 stream sediments, 98 sheetwash, 50 soil,
1 lake sediment, and 571 sandplain

Analyst: Genalysis
Minimum sample size: 1.5 kg
Fraction of sample analysed: < 2mm
Geological interpretation by Myers and Hooking (1998)

The recommended reference for this map is
SANDERS, A. J. and MCGUINNESS, S. A., 2000. Geochemical mapping of
the Ajana 1:250 000 sheet. Western Australia Geological Survey,
1:250 000 Regolith Geochemistry Series Explanatory Notes, Plate 1



Environment

- Residual
- Exposed
- Colluvial
- Alluvial
- Sandplain and beach deposit

SCALE 1:250 000

0 5 10 15 20 25 30
METRES

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



SHEET INDEX

EDIEL SG 49-12	YARRA SG 50-9	BYRD SG 50-10
	AJANA SG 50-13	MURDOO SG 50-14
KOUTMAN ARNDTSON SH 49-4	GERALDTON SH 50-1	YALGOO SH 50-2

INDEX TO 1:100 000 MAP SHEETS

ZUYTODP 1943	COOLCALA 1743	NERRIN NERRIN 1843	BOMPAS 1943
	KALBARRI 1742	AJANA 1842	COOLCALA 1842

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