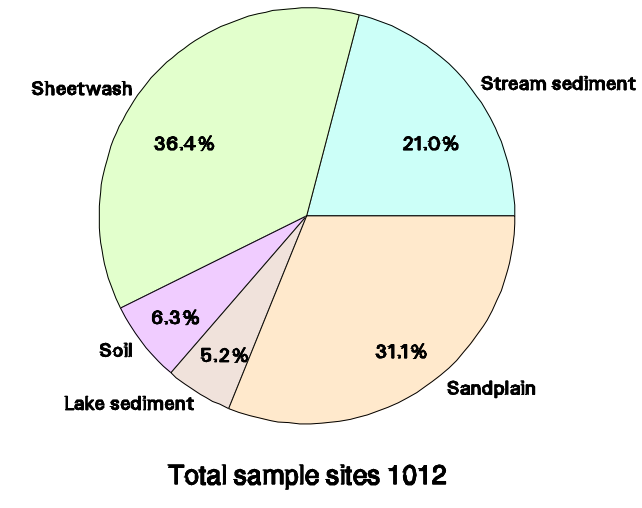


## SAMPLE LOCATIONS

### Sample point reference

- 168336 Stream sediment
- 168020 Sheetwash
- 167474 Soil
- 167496 Lake sediment
- 167400 Sandplain



### GEOLOGICAL INTERPRETATION

- PERMANENT**
- Pa PATTERSON FORMATION: fluvial and fluvio-glacial sandstone, conglomerate, and siltstone
  - Bd Dolerite
  - Sunbeam Group
    - Bsg Sandstone, siltstone, conglomerate, shale, mudstone, dolomite, and evaporite
  - Collier Group
    - Emc Sandstone with minor shale and siltstone
  - Scorpion Group
    - Bo Sandstone, shale, conglomerate, and dolomite
  - PROTEROZOIC**
  - Eaheedy Group
    - Bt Metamorphosed shale and sandstone; minor chert
    - Em MULGARIPA SANDSTONE: quartz sandstone; with minor shale and limestone
    - BEK KULEE Limestone: stromatolitic limestone, calcarenite, and mudstone; minor sandstone
    - BEo WONGAWOL FORMATION: very fine-grained sandstone, shale, and minor carbonate-rich rocks
    - BEcp CHALL FORMATION: Phosporus Range Member: quartz arenite and minor siltstone
    - BEw Windward Member: sandstone, siltstone, and shale; locally glauconitic basal conglomerate
    - BEf FREIRE FORMATION: granular iron-formation, hematitic shale, chert, and siltstone
    - BEy YELMA FORMATION: sandstone and shale; minor chert and stromatolitic carbonate
  - ARCHAIC**
  - Ag Granitoid rock

- Geological boundary
- Anticline
- Fault
- Syncline

### SYMBOLS

- Formed road
- Track
- Watercourse
- Lake
- Pool, spring, bore, well
- Eaheedy Homestead
- Mount Royal Locality
- Jewell Kimberlite Prospect
- Dmd Diamond

Edited by M. Tetlow, K. Greenberg, and G. Loan

Cartography by M. Vionito

Topography from Australian Surveying and Land Information Group, and Department of Land Administration Sheet SG 51 - 6

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 9459, Fax (08) 9222 3444

Compiled by J. Coker 1998

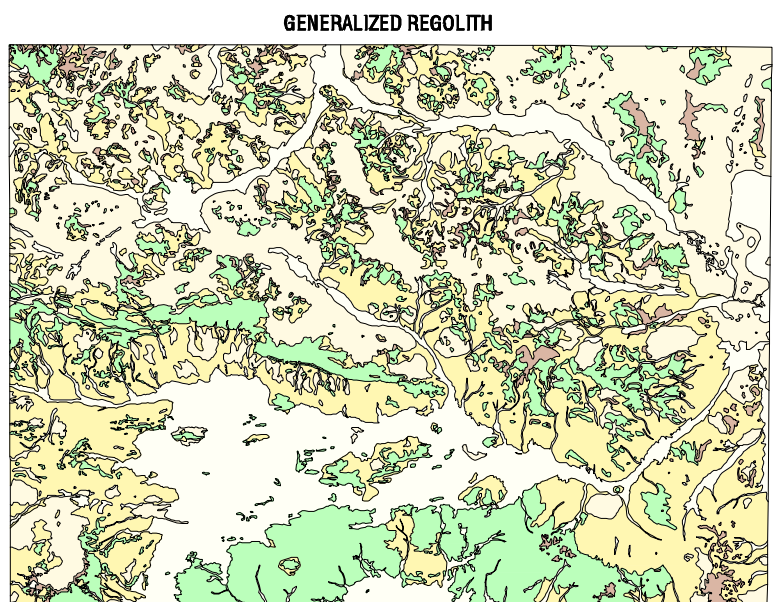
Sampling by: S. A. McGuinness and J. Downing (GSWA), and A. Wey, J. Moore, S. Bonaventura, J. Henson, and S. Blackmore

Total sample sites: 1012; 212 stream sediment, 368 sheetwash, 84 soil, 53 lake sediment, and 915 sandplain

Analyst: Analabs Pty. Ltd.  
Minimum sample size: 1.5 kg  
Fraction of sample analysed: > 0.45mm < 2mm

Geological interpretation after Myers and Hocking (1998), Pijpers (1998), and Jones et al. (2000)

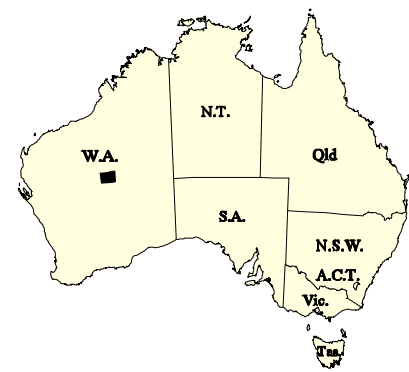
The recommended references for this publication are:  
COKER, J., 2000. Sample locations, Stanley, W.A. Sheet SG 51 - 6, in Geomorphological mapping of the Stanley 1:250 000 sheet by P. A. MORRIS, S. A. MCGUINNESS, A. J. SANDERS, and J. COKER. Western Australia Geological Survey, 1:250 000 Regolith Geochemistry Series Explanatory Notes, Plate 1



SCALE 1:1 600 000

SCALE 1:250 000

UNIVERSAL TRANSVERSE MERCATOR PROJECTION  
HORIZONTAL DATUM: GEOCENTRIC DATUM OF AUSTRALIA 1994  
VERTICAL DATUM: AUSTRALIAN HEIGHT DATUM  
Grid lines indicate 20 000 metre interval of the Map Grid Australia, Zone 51  
The Map Grid Australia (MGA) is based on the Geocentric Datum of Australia 1994 (GDA94)  
GDA94 positions are compatible within one metre of the datum WGS84 positions

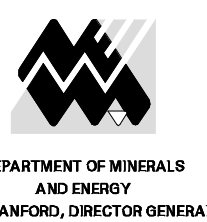


### SHEET INDEX

BULLER SG 51-1	TRIMON SG 51-2	MALBY SG 51-3
NANBERU SG 51-4	STANLEY SG 51-5	HERBERT SG 51-7
WILUNA SG 51-6	KINOSTON SG 51-8	ROBERT SG 51-11

### INDEX TO 1:100 000 MAP SHEETS

MUDAN 51-6	OLENAYLE 51-7	KARIBAN 51-8
EAREHEEDY 51-9	LEE STEERE 51-10	COONABILLIE 51-11



## SAMPLE LOCATIONS

REGOLITH GEOCHEMISTRY SERIES

STANLEY

SHEET SG 51-6

FIRST EDITION 2000

© Western Australia 2000

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