



Geological boundary.....	
Unconformity (section only).....	
Contact Bryah Group—Padbury Group	
unconformity, with local major onlap; reworked as a fault.....	
Structural symbols are numbered according to their age of formation where known	
Middle Proterozoic	
Edmund fold belt; unspecified.....	
Early Proterozoic	
Capricorn Orogeny; unspecified.....	
Capricorn Orogeny D ₁ , D ₂ , D ₃ , D ₄	
Fault.....	
Reactivated normal fault.....	
interpreted movement	
lateral (plan view), dip slip (section).....	
towards observer.....	
away from observer.....	
Strongly foliated rock.....	
Fold, showing direction of plunge	
anticline.....	
syncline.....	
overturned anticline.....	
overturned syncline.....	
Minor fold, showing direction of plunge.....	
Small-scale fold axial surface, showing strike and dip	
inclined	

Bedding, showing strike and dip				Townssite, population less than 1000.....
inclined.....		58	—	Homestead.....
vertical.....		+	—	Locality.....
overturned.....		78	—	Building, yard.....
bedding or layering trend.....	—	—	—	Microwave repeater station.....
Foliation, showing strike and dip				Horizontal control; major.....
inclined.....		75	—	
vertical.....		◆	—	Watercourse, ephemeral; pool.....
trend (section only).....	—	—	—	Waterhole, spring.....
Linuation, showing direction of plunge				Bore, well, windpump.....
mineral linuation.....	—	20	—	Dam, tank.....
intersection linuation.....	—	15	—	Abandoned, position doubtful.....
Single zircon U-Pb SHRIMP geochronology data				
GSWA identification number.....		118958		Mineral field boundary.....
Nutman et al. identification number.....		88-168		Mining centre.....
interpreted age of intrusion in Ma, with reference number	2672±3	(1) (2) (3)		Mining locality.....
youngest detrital zircon.....	<1996±35			Min (gold, unless otherwise indicated).....
(1) Nutman, A. P., Bennett, V. C., Kinny, P. D., and Price, R., 1993, Large scale crustal structure of the northwestern Yilgarn Craton, Western Australia: evidence from Nd isotopic data and zircon geochronology: Tectonics, v.12, p. 971-981				Major opencut.....
(2) Nelson, D. R., 1997, Geological Survey of Western Australia, Record 1997/2				Opencut.....
(3) Nelson, D. R., in prep, Geological Survey of Western Australia, Record 1998/2				Alluvial workings.....
Highway with national route marker.....	—	95	—	Prospect.....
Formed road.....	—	—	—	Mineral occurrence.....
Track.....	—	—	—	Copper.....
				Gold.....
				Manganese.....

SHEET INDEX							
ERRABIDY 2347	MARQUIS 2447	MULGUM 2547	JAMINDI 2647	THREE RIVERS 2747	MARYMA 2847		
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KALLI 2344	SG 50-11 MADOONGA 2444	MEEKATHARRA 2544	GABANINTHA 2644	SG 50-12 YAGANO 2744	MEREWETHER 2844		
	0°		0° 30'				

Compiled by C. P. Swager, S. A. Occhipinti, and F. Pirajno 1997
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SCALE 1:250 000

0 5 10 15 20 25

Kilometres

UNIVERSAL TRANSVERSE MERCATOR PROJECTION
HORIZONTAL DATUM: GEOCENTRIC DATUM OF AUSTRALIA 1994
VERTICAL DATUM: AUSTRALIAN HEIGHT DATUM

Grid lines indicate 2000 metre interval of the Map Grid Australia Zone 50

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.

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

REPORT 59 **PLATE 1**

INTERPRETED GEOLOGY OF THE PALAEOPROTEROZOIC

BRYAH AND PADBURY BASINS

Version 1.1 — May 2004

REPORT 59 **PLATE 1**

**REINTERPRETED GEOLOGY OF THE PALAEOPROTEROZOIC
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