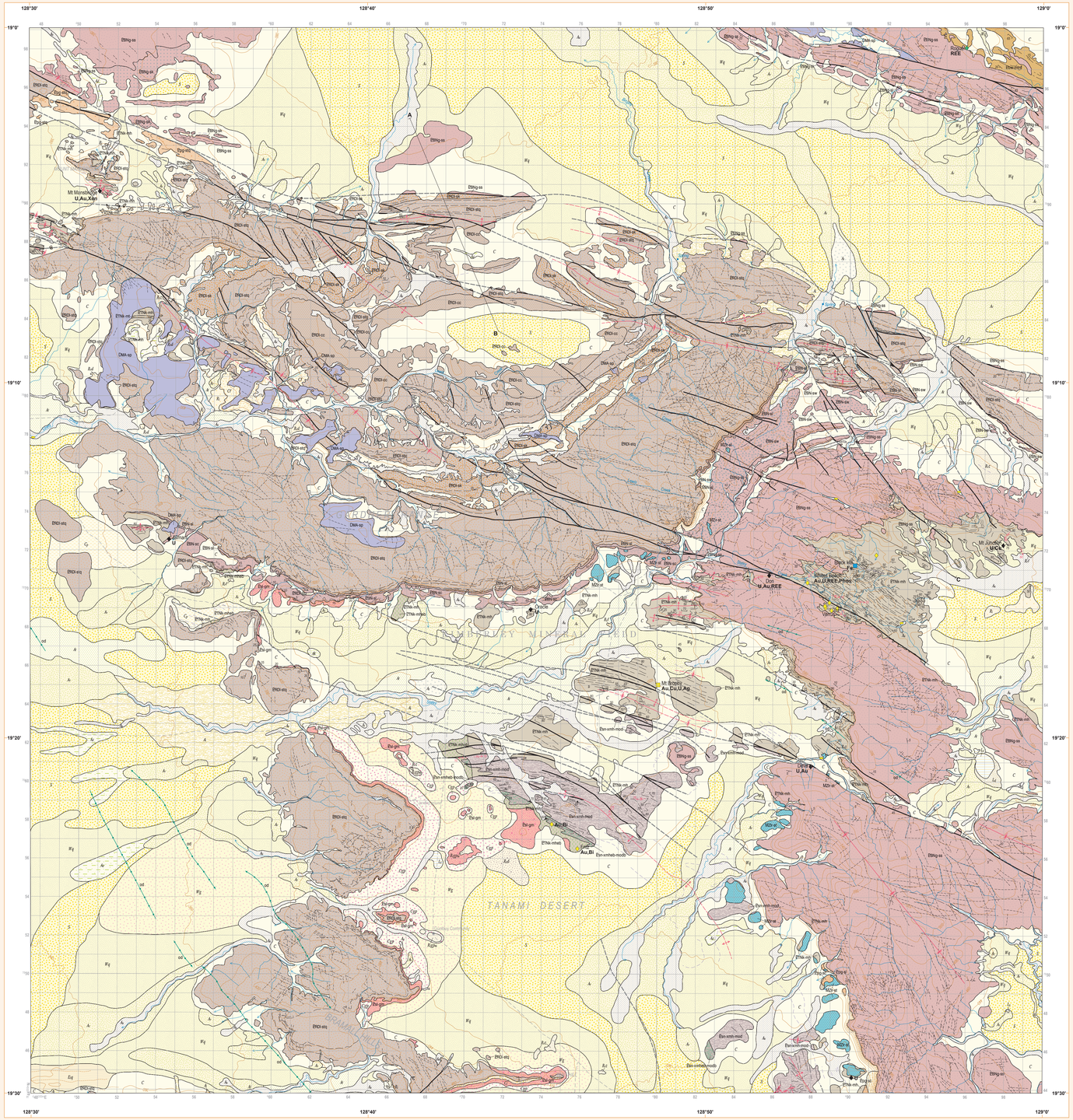
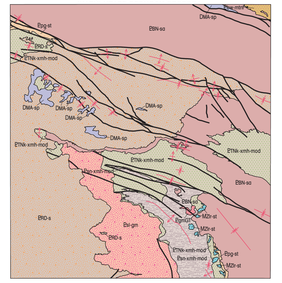
SLATEY CREEK

WESTERN AUSTRALIA 1 : 100 000 GEOLOGICAL SERIES | **GEOLOGICAL SURVEY OF WESTERN AUSTRALIA** | **SHEET 4659**



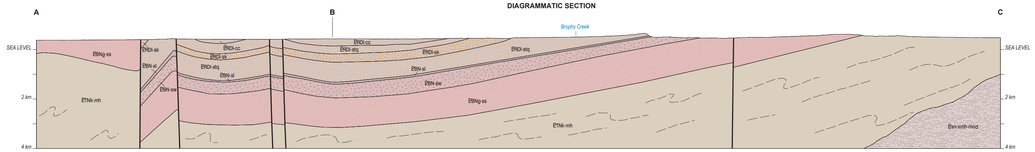
INTERPRETED BEDROCK GEOLOGY



- MZr-st — Larrangarni Formation — Carpentaria Basin
- DMA-sp — Mahony Group — Ord Basin
- ENDr-s — Redcliff Pound Group: sandstone; minor conglomerate, siltstone, shale, and limestone — Birrindudu Basin
- EBIN-ss — Birrindudu Group: siliciclastic and carbonate sedimentary rocks — Birrindudu Basin
- Epg-st — Pargee Sandstone: sandstone and minor conglomerate — Birrindudu Basin
- Epgn01 — Granites–Tanami Orogen granitic unit — Granites–Tanami Orogen
- Esl-gn — Slatey Creek Granite — Granites–Tanami Orogen
- ETNA-xmh-mod — Killi Killi Formation: siliciclastic metasedimentary and metamafic rocks — Tanami Group
- Ebn-xmh-mod — Stubbins Formation — Tanami Group
- Ebw-mtmf — Browns Range Metamorphics — Granites–Tanami Orogen

For further details refer to main legend

DIAGRAMMATIC SECTION

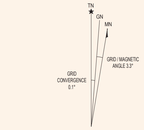


DATA SOURCES

Theme	Data Currency	Organization[1]
Geology *	2013	Geological Survey of Western Australia, Department of Mines and Petroleum
Mineral sites *	Jan 2014	Geological Survey of Western Australia, Department of Mines and Petroleum
Structural data	Nov 2013	Geological Survey of Western Australia, Department of Mines and Petroleum
Horizontal control	Nov 2013	Landgate
Topographic nomenclature	2013	Landgate
Topography	2013	Landgate
Contours	2006	Geological Survey of Western Australia, Department of Mines and Petroleum

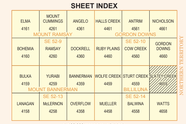
* DMP data can be viewed interactively via GeoVIEW.WA <www.dmp.wa.gov.au/geoview>, and related datasets can be downloaded from the GSWA Data and Software Centre <www.dmp.wa.gov.au/dataextract>

[1] WA State Government unless otherwise indicated



True north, grid north, and magnetic north are shown diagrammatically for the centre of the map. Magnetic north is correct for 2014 and moves westerly by approx. 1.7' annually

SHEET INDEX



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Compiled by GR Escott, N de Souza Kovacs, and JA Hollis 2012–14

Geology by L Bagas (GSWA) 2004–05

Regolith by N de Souza Kovacs 2012–14

Geochronology from GSWA data (published and in preparation) and interpreted from external sources (listed below). Some GSWA geochronology may come from samples obtained on adjoining map sheets. GSWA geochronology data are available online at <www.dmp.wa.gov.au/geochron>.

External geochronology by:
Geoscience Australia geochronology database, <www.ga.gov.au>

Cartography by PJ Backhouse

Edited by MA Ferland, SR White, B Strlewski and K Greenberg

Published by Geological Survey of Western Australia

This map is published in digital format (PDF) and is available online at <www.dmp.wa.gov.au/GSWApublications>.

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Website: www.dmp.wa.gov.au/gswa Email: geological.survey@dmp.wa.gov.au

The recommended reference for this map is:
Escott, GR, de Souza Kovacs, N and Hollis, JA 2014, Slatey Creek, WA Sheet 4659: Geological Survey of Western Australia, 1:100 000 Geological Series.

Disclaimer

This product was produced using information from various sources. The Department of Mines and Petroleum (DMP) and the State cannot guarantee the accuracy, currency or completeness of the information. DMP and the State accept no responsibility and disclaim all liability for any loss, damage or costs incurred as a result of any use of or reliance whether wholly or in part upon the information provided in this publication or incorporated into it by reference.

MINERAL SITES

MINERALIZATION STYLE

- Vein and hydrothermal
- Stratabound sedimentary and/or sedimentary banded iron-formation
- Regolith hosted

COMMODITY GROUP

- Precious metal
- Speciality metal
- Iron
- Energy

All precious metal sites are gold unless otherwise indicated

COMMODITY

Bismuth	Bi
Copper	Cu
Gold	Au
Iron	Fe
Phosphate, Phosphate rock	Phos
Rare Earth Elements	REE
Silver	Ag
Uranium	U
Xenotime	Xen

SITE NAME

Mine, deposit, prospect, or occurrence.... Deva

Mineralization sites on this map have been extracted from GSWA's MINEDEX database. For clarity, names have been shown only for selected sites. Full details of site numbers, site locations, site status, mineralization, and commodities can be obtained from the MINEDEX database, accessed at: <www.dmp.wa.gov.au/minedex>

ROYALTIES FOR REGIONS
EXPLORATION INCENTIVE SCHEME

Government of Western Australia
Department of Mines and Petroleum

HON. BILL MARMION MLA
MINISTER FOR MINES AND PETROLEUM

Geological Survey of Western Australia

RICK ROGERSON
EXECUTIVE DIRECTOR

SCALE 1 : 100 000

1000 0 1 2 3 4 5 6 7 8 9 10
Metres Kilometres

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

Grid lines indicate 1000 metre interval of the Map Grid Australia Zone 52

GDA 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

SLATEY CREEK

SHEET 4659 **FIRST EDITION 2014**

June 2014

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