

- Strategic mineral resource protection area; should be set aside for future mining
- 500m separation area around strategic mineral resource protection area; land use options may be restricted
- Possible strategic resource area that may contain mineral deposits; land use options may be restricted in parts of these areas
- Sterilized mineral deposit currently unlikely to be mined; does not restrict land use options
- Mine; rehabilitated, or under rehabilitation
- Tutunup** Generalized deposit name
- Land title boundary, simplified
- Highway / major road
- Rail
- Local government area boundary
- Drainage

NOTE: this map shows the extent of known titanium-zircon mineralization, surrounded by an infrastructure halo. The extent of mineralization is based on exploration only up to the date of publication. Future exploration may locate additional areas of mineralization.

SHEET INDEX
Titanium-zircon mineralization mapping shown in green

DONNGAR SH 50-5	WINDGEM SH 50-6	PRESELOCH SH 50-6	ROTHWAY SH 50-6
BEACLE ISLANDS SH 50-5	ANDERBENTH SH 50-6	CARABIAN SH 50-6	MORRIS SH 50-6
PRESELOCH SH 50-5	HILL RIVER SH 50-5	WATERLOO SH 50-5	DARLINGTON SH 50-5
BELL RIVER SH 50-5	MOCKA SH 50-5	MOCKA SH 50-5	MOCKA SH 50-5
LEDGE POINT SH 50-13	LEDGE POINT SH 50-13	LEDGE POINT SH 50-13	LEDGE POINT SH 50-13
INDIAN OCEAN SI 50-1	INDIAN OCEAN SI 50-1	INDIAN OCEAN SI 50-1	INDIAN OCEAN SI 50-1
FREMANTLE SI 50-1	FREMANTLE SI 50-1	FREMANTLE SI 50-1	FREMANTLE SI 50-1
BUSSETTON SI 50-1	BUSSETTON SI 50-1	BUSSETTON SI 50-1	BUSSETTON SI 50-1
AUGUSTA SI 50-9	AUGUSTA SI 50-9	AUGUSTA SI 50-9	AUGUSTA SI 50-9

1:100 000 maps shown in black
1:250 000 maps shown in brown
Search for current GSWA map products online (www.dmp.wa.gov.au/lookbook)

Theme	Data Source	Data Currency	Organization
Cadastral	Landgate	Apr 2009	Landgate
Topographic nomenclature	GEONOMA	2009	Landgate
Topography	Landgate	2009	Landgate
Land use planning areas	GSWA	2009	Dept of Mines and Petroleum

* GSWA and DMP databases can be viewed online (www.dmp.wa.gov.au/lookbook) or can be downloaded from the GSWA Data and Software Centre (www.dmp.wa.gov.au/lookbook)

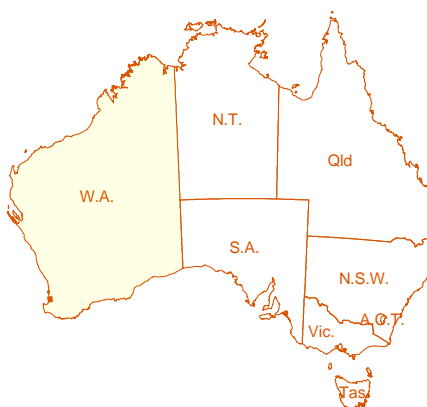
Compiled by LY Hassan 2009, based on first edition by MJ Freeman 2006, and additional data supplied by companies.

Cartography by I Lesiak

Published by the Geological Survey of Western Australia. Digital and hard copies of this map are available from the Information Centre, Department of Mines and Petroleum, 100 Plain Street, East Perth, WA 6004. Phone (08) 9222 3459, Fax (08) 9222 3444

Website www.dmp.wa.gov.au Email geological.survey@dmp.wa.gov.au

The recommended reference for this map is: Hassan, LY 2009, Titanium-zircon mineralization, Donnybrook, Resource potential for land use planning (1:100 000 scale): Geological Survey of Western Australia.



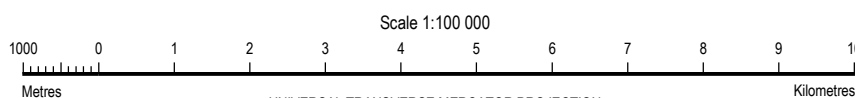
Government of Western Australia
Department of Mines and Petroleum

Geological Survey of Western Australia



HON NORMAN MCKEIL M.L.C.
MINISTER FOR MINES AND PETROLEUM

TM GRIFFIN
EXECUTIVE DIRECTOR



UNIVERSAL TRANSVERSE MERCATOR PROJECTION
HORIZONTAL DATUM: GEODESIC DATUM OF AUSTRALIA 1984
Grid lines indicate 10 000 metre interval of the Map Grid Australia Zone 50

The Map Grid Australia (MGA) is based on the Geocentric Datum of Australia 1984 (GDA84)
GDA84 positions are compatible within one metre of the datum WGS84 positions



GEOLOGICAL SURVEY OF WESTERN AUSTRALIA
RESOURCE POTENTIAL FOR LAND USE PLANNING
TITANIUM-ZIRCON MINERALIZATION
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