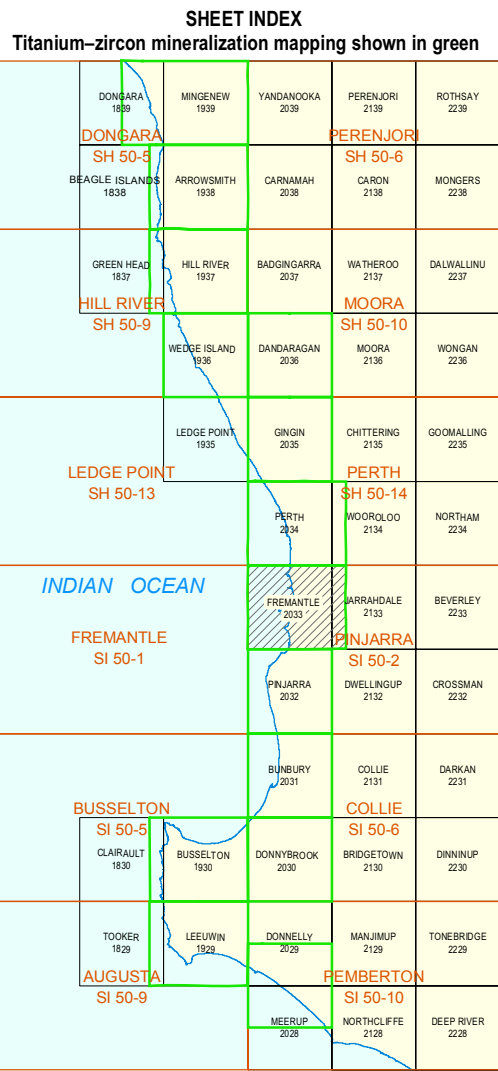


- Strategic mineral resource protection area; should be set aside for future mining
- Sterilized mineral deposit currently unlikely to be mined; not restricting land use options
- Possible strategic resource area that may contain mineral deposits; land use options may be restricted in parts of these areas
- Ruabon** Generalized deposit name
- Land title boundary, simplified
- Rail
- Airfield
- Local government area boundary
- Drainage

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



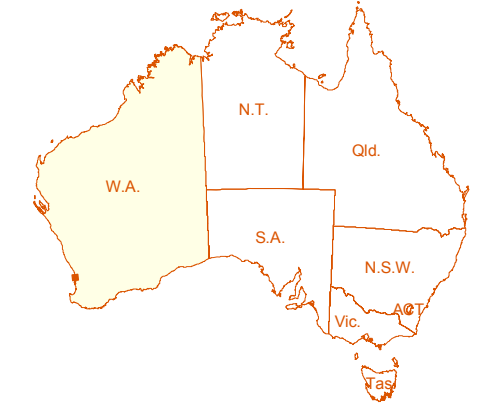
1:100 000 maps shown in black
1:250 000 maps shown in brown
Search for current GSWA map products online (www.dot.wa.gov.au/australia)

DATA DIRECTORY			
Theme	Data Source	Data Currency	Agency
Cadastral	TENGRAPH	2005	Dept of Industry and Resources
Topographic nomenclature	GEONOMA	2005	Dept of Land Information
Topography	Landgate and GSWA	2004	Landgate
Land use planning areas	GSWA	2006	Dept of Industry and Resources

* GSWA and DoIR databases can be viewed online (www.dot.wa.gov.au/australia/geoview_launch.asp) or can be downloaded from the GSWA Data and Software Centre (www.dot.wa.gov.au/GSWA/DownloadsCentre)

Compiled by M. J. Freeman, 2005
Cartography by M. Kumar and A. Jones
Published by the Geological Survey of Western Australia. Digital and hard copies of this map are available from the Information Centre, Department of Industry and Resources, 100 Plain Street, East Perth, WA 6004. Phone (08) 9222 3459, Fax (08) 9222 3444
Website: www.dot.wa.gov.au Email: geological.survey@dot.wa.gov.au

The recommended reference for this map is: FREEMAN, M. J., 2007, Titanium-zircon mineralization, Fremantle-Jarrahdale, Resource potential for land use planning (1:100 000 scale); Western Australia Geological Survey



SCALE 1:100 000
1000 Metres
Kilometres

UNIVERSAL TRANSVERSE MERCATOR PROJECTION
HORIZONTAL DATUM: GEOCENTRIC DATUM OF AUSTRALIA 1994
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 1994 (GDA94)
GDA 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
FREMANTLE–JARRAHDALE

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