

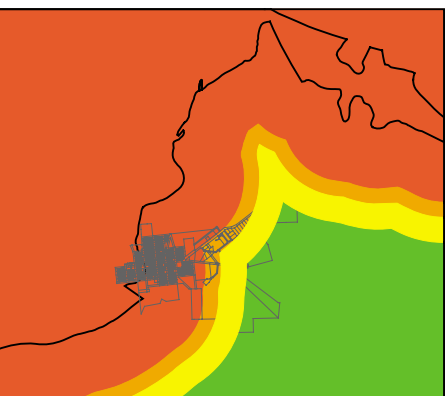
RESOURCE POTENTIAL FOR LAND USE PLANNING
RAVENSTHORPE DISTRICT

Geology

- Pegmatite
- MANYUTUP TONALITE COMPLEX: tonalite, dolerite and pyroxenite
- ANNABELLE VOLCANICS: andesite to basalt volcanic rock, metamorphosed
- CHESTER FORMATION: shale to siltstone, with banded iron-formation and massive pyrite, metamorphosed

Mineral potential tract boundaries (computer generated)

- 1.2 km distance from Annabelle Volcanics
- 1.5 km distance from Annabelle Volcanics
- 2 km distance from Annabelle Volcanics

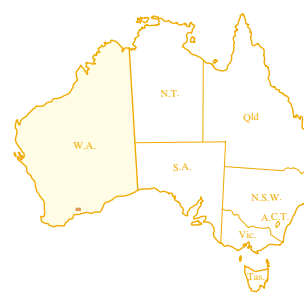


Mineral Prospectivity	Rock Unit	Distance from Annabelle Volcanics	Policy Implications for Future Land Development		
			Industrial	Rural Lifestyle	Residential
Low	Manyup Tonalite	>2 km	Yes	Yes	Yes
Low to moderate	Manyup Tonalite	2 km - 1.5 km	Yes	Not considered until area adequately tested for mineral resources	Not considered until area adequately tested for mineral resources
Moderate	Manyup Tonalite	1.5 km - 1.2 km	Only blocks > 5 ha	Not considered until area adequately tested for mineral resources	Not considered until area adequately tested for mineral resources
High	Manyup Tonalite	<1.2 km	Not considered until area adequately tested for mineral resources	Not considered until area adequately tested for mineral resources	Not considered until area adequately tested for mineral resources
	Annabelle Volcanics	All of the area	Not permitted	Not permitted	Not permitted
	Chester Formation	All of the area	Not permitted	Not permitted	Not permitted

- Geological boundary
- Fault
- Fault, major thrust zone
- Town of Ravensthorpe, infrastructure
- Abandoned gold and/or copper workings and mines; locality name from MINEDEX and historic mining records
- Pegmatite deposits (tantalum, lithium, and tin); locality name from MINEDEX
- 1978 Mining Act tenements
- 1978 Mining Act tenement applications

DATA DIRECTORY			
Theme	Date Source	Date Currency	Agency
Geology (Pegmatites)	GSWA Report 54, Plate 1	1998	Dept of Industry and Resources
Abandoned gold and/or copper workings and mines	Galaxy Resources Prospectus	MAR 2002	Galaxy Resources Ltd
	Abandoned mineable database	JUN 2000	Dept of Industry and Resources
Pegmatite deposits	MINEDEX	JUN 2004	Dept of Industry and Resources
Mining Act tenements	TENGRAPH	MAR 2004	Dept of Industry and Resources
Colours		MAR 2004	Dept of Land Information

SHEET INDEX											
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Compiled by M.J. Freeman, June 2000

Updated by L.Y. Hassan, June 2004

Cartography by G. Hartley and S. Mulligan

The recommended reference for this map is:
Hassan L. Y., 2004, Ravensthorpe district, Resource potential for land use planning, (scale 1:15 000)
Western Australia Geological Survey.

Published by the Geological Survey of Western Australia. Available in digital format (PDF) online at
www.doir.wa.gov.au/gswa. Copies can be ordered from the Information Centre for the cost of printing.
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Email: geological.survey@doir.wa.gov.au



SCALE 1: 15 000
250 0 500 1
Metres Kilometres

UNIVERSAL TRANSVERSE MERCATOR PROJECTION
Map Grid of Australia Zone 51

The map grid is based on the datum of the Geostatic Survey of Australia (GDA 1984).
GDA 1984 is based on the datum of the Geostatic Survey of Australia (GDA 1984).

RAVENSTHORPE DISTRICT
RESOURCE POTENTIAL FOR LAND USE PLANNING

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