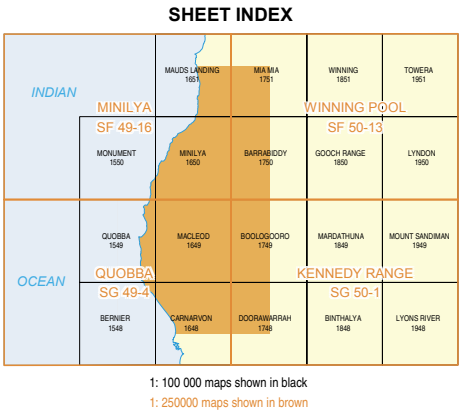


RESOURCE POTENTIAL FOR LAND USE PLANNING  
LAKE MACLEOD AREA

- Geology
- Marine dominated: intertidal and supratidal deposits, minor beach ridge, coastal dune and coastal lake deposits; mostly calcareous, commonly algal bound or corallgal
  - Eolian dominated: coastal dune and beach ridge deposits, minor supratidal and coastal lake deposits; mostly calcareous sand and calcarenite
  - Lacustrine: coastal saline lake and lake-derived deposits; clay, silt, sand, and gravel, in part evaporitic
  - Alluvial dominated: alluvial, diluvial and colluvial deposits; includes groundwater (valley) calcrete where not clearly exposed; commonly shows some eolian reworking
  - Eolian dominated: sand plains and dunes; includes residual and reworked areas, and some dune-and-playa terrain, excludes calcareous coastal dunes
  - Calcareous duricrust (calcrete): authigenic limestone, in places omitted to clarify underlying geology
  - TREALLA LIMESTONE: calcarenite to calcirudite with corallgal limestone, minor calcilutite; high energy shallow marine
  - GIRALIA CALCARENITE: calcarenite, commonly ferruginized and/or quartzose; moderate to high energy shallow marine
  - CARDABIA CALCARENITE: calcarenite, and calcilutite with basal greensand, glauconitic in lower part and locally chalky; low to moderate energy marine
  - TOOLONGA CALCILUTITE: chalky calcilutite, calcisiltite and calcarenite; low to moderate energy marine
  - GEARLE SILTSTONE: bentonitic siltstone and radiolarite, minor bedded and secondary gypsum and barite; low energy marine

- Mineral deposit
- INDUSTRIAL MINERAL
- Resource
- Gypsum (Gp)
- Operating mine
- INDUSTRIAL MINERAL
  - CONSTRUCTION MATERIAL
- Gypsum (Gp), salt
- Clay, dimension stone, limestone

- Geological boundary
- Fold: anticline
- Fold: plunging anticline
- Major road
- Minor road
- Track
- Watercourse
- Permanent waterbody
- Petroleum Act title applications
- Petroleum Act titles
- Evaporites (Lake Macleod) Agreement Act 1967
- Petroleum exploration well
- Stratigraphic well



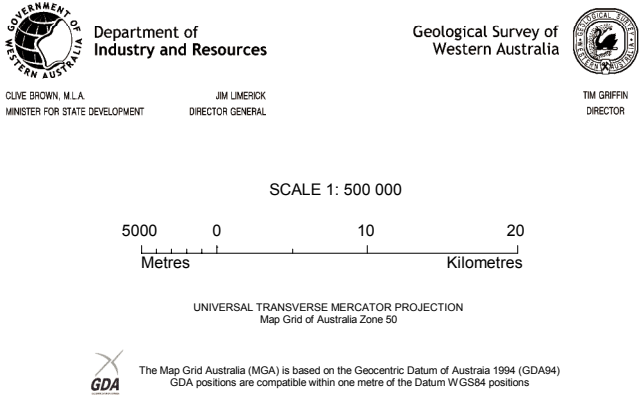
DATA DIRECTORY			
Theme	Data Source	Data Currency	Agency
Geology	GSWA Bulletin 133, Plate 1	1985	Dept of Industry and Resources
	GSWA Report 2000/7, Plate 1	2000	Dept of Industry and Resources
Mineral occurrences and petroleum wells	GSWA Bulletin 133, Plate 1	1985	Dept of Industry and Resources
	GSWA Report 2000/7, Plate 1	2000	Dept of Industry and Resources
Petroleum Act titles	Petroleum and Royalties Division	MAY 2004	Dept of Industry and Resources
Evaporites Agreement Act 1967	TENGRAPH	MAY 2004	Dept of Industry and Resources
Topography	DLI and GSWA field survey	2000	Dept of Land Information

Compiled by F. I. Roberts  
Cartography by G.Hartley

The recommended reference for this map is:  
ROBERTS, F. I., 2004, Lake Macleod area, Resource potential for land use planning (scale 1:500 000); Western Australia Geological Survey.

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LAKE MACLEOD AREA  
RESOURCE POTENTIAL FOR LAND USE PLANNING

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