

| Geology and mineral potential | |
|-------------------------------|--|
| CENOZOIC | Marine |
| | <p>Mk Limestone reefs of cemented dunesand and cemented shell banks</p> <p>Mtk Talus deposits of coral and limestone debris overlying and adjacent to limestone reefs</p> <p>Mark Calcareous sand deposits of the near shore sand plains and shell banks — very high potential for limesand</p> <p>Mac Silt and clay of the nearshore plain</p> <p>Mpc Silt and clay of the offshore plain</p> |
| | Coastal |
| | <p>Bmk Coastal limestone; lime-cemented shelly sand, dune sand, and beach conglomerate; Pleistocene — very high potential for limestone</p> <p>Bsk Coastal sand in beach deposits and dunes; marine sand reworked by wind; includes reworked alluvium near deltas; shelly sand; Holocene — very high potential for limesand</p> <p>Tc Marine mud and silt on supratidal to intertidal flats; includes intertidal deposits with mangroves; Holocene</p> <p>Tu Alluvial sand and gravel in levees and sandbanks associated with deltas</p> |
| | Alluvial |
| | <p>Afc Clay and silt in claypans on floodplains, and in coastal lacustrine deposits</p> <p>Atf Alluvial sand, silt, and clay in floodplains, with gligal surface in areas of expansive clay</p> <p>Al Alluvial sand and gravel in rivers and creeks; clay, silt, and sand in channels on floodplains</p> |
| | Sheetwash |
| | <p>Wc Sand, silt, and clay in distal outwash fans</p> <p>W Sheetwash deposits; silt, sand, and pebbles</p> |
| | Colluvial |
| | <p>Cl Colluvial sand, silt, and gravel in outwash fans; scree and talus; proximal mass-wasting deposits</p> |
| | Sandplain |
| | <p>E Eolian sand; red-yellow, wind-blown; local sand ridges</p> |
| | Older alluvial |
| | <p>Alt High-level gravel deposits unrelated to recent drainage; dissected</p> <p>Alt2 Psolitic limonites deposits, developed over palaeodrainage lines; dissected by present-day drainage</p> |
| | Older colluvial |
| | <p>C2 Consolidated colluvial clay, silt, sand, and gravel deposits; dissected</p> |
| | Residual |
| | <p>Rk Residual calcrete; massive, nodular, and cavernous limestone, mainly silicified</p> <p>Rf Ferricrete; includes ferruginous and psolitic ironstone; residual origin; dissected by present-day drainage</p> |

| | | | |
|-----------|-----------------------------------|---|----------------------------------|
| ARCHAEOAN | Fortescue Group (2490–2770 Ma) | | |
| | AF | FORTESCUE GROUP: Basalt and andesite; volcanoclastic sedimentary rock; basaltic to intermediate tuff; gabbro and dolerite; shale, siltstone, sandstone, and conglomerate | AyG GIDLEY GRANOPHYRE and gabbro |
| | Pilbara Supergroup (2930–3270 Ma) | | |
| | API | PILBARA SUPERGROUP: Basalt, komatiite, and peridotite; chert, banded iron-formation, carbonate and fibrous sedimentary rocks, shale, siltstone, and conglomerate; felsic volcanic rocks; gabbro and dolerite; granitoid rock, undivided | Ag |

Lime resources

- Strategic limestone resource (Delambe and Eaglehawk Islands)
- Strategic limestone resource (Legendre Island)
- Limesand (Lst) prospect
- Limesand (Lst) deposit
- Limestone (Lst) prospect
- Limestone (Lst) deposit

Conservation reserves

- Proposed marine reserve (various categories)
- Nature reserve
- CALM 5(1) (g) reserve

Other mineral occurrences, deposits and mines by groups

- ▼ Construction material
- ▼ Industrial mineral
- ◆ Iron
- ◆ Base metal
- ◆ Precious metal

Geological boundary

- Seafloor sample sites: Drop sample
- Seafloor sample sites: Vibrocore
- Seafloor sample sites: Rotary drilling

Resources

- Rock, gravel (Gv), sand, clay
- Salt, quartz (Qtz)
- Iron (Fe)
- Copper (Cu), copper with minor silver (Cu, Ag)
- Gold (Au), silver (Ag)

Infrastructure

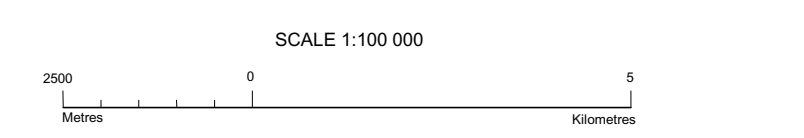
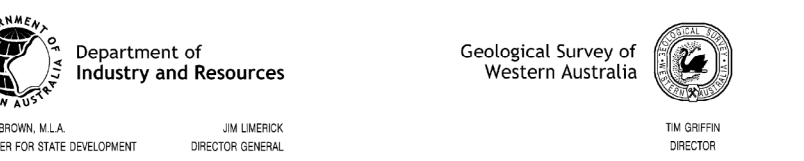
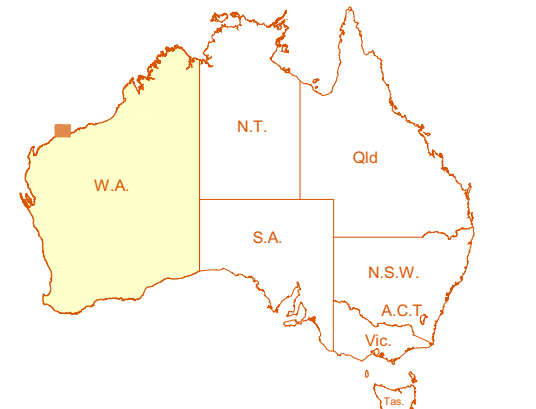
- Major road / Highway
- Minor road
- Railway

Localities

- Local town

| SHEET INDEX | | | | | |
|------------------------|------------------------|-----------------------|---------------------------|----------------------|--|
| | LEIGHBORNE SF 50/2 | BLAIRMORE SF 50/3 | EDGEMOY SF 50/4 | TRAFALGAR SF 50/5 | |
| DUMPER SF 50/2 | ROBEURNE SF 50/3 | | | | |
| PRESTON SF 50/1 | ROBEURNE SF 50/3 | ROBEURNE SF 50/3 | RAE SF 50/6 | | |
| PORTFOLIO SF 50/6 | PATER HILLS SF 50/7 | CONNAUGHT SF 50/8 | ROBERT WHEELER SF 50/9 | GARNETT SF 50/10 | |
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| HEMLOCKDALE SF 50/1 | ELWIE SF 50/11 | MILLMOUNT SF 50/12 | HEMLOCKDALE SF 50/1 | MOOLEY SF 50/13 | |

1: 100 000 maps shown in black



Compiled by C. J. Kojan, 2004
Geology by A. H. Hickman and C. A. Strong, 2000; A. H. Hickman and R. H. Smithies, 2000; and C. J. Kojan, 2004

The recommended reference for this map is:
KOJAN C. J., 2004, Dampier Archipelago, Resource potential for land use planning (scale 1:100 000):
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. Information Centre, Department of Industry and Resources, 100 Plain Street, East Perth, WA, 6004. Phone (08) 9222 3459, Fax (08) 9222 3444

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DAMPIER ARCHIPELAGO
RESOURCE POTENTIAL FOR LAND USE PLANNING
FIRST EDITION 2004
VERSION 1.2
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