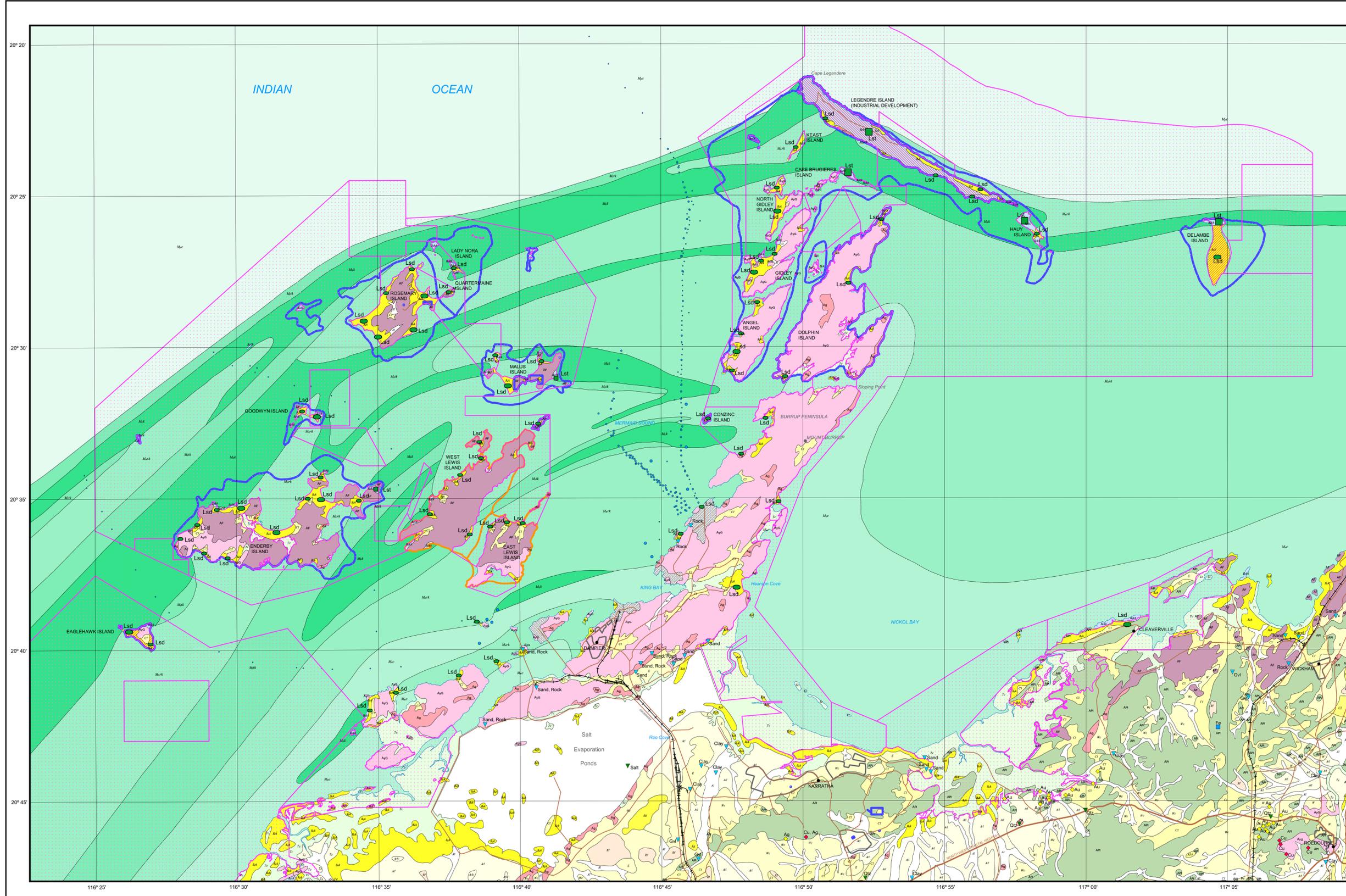


RESOURCE POTENTIAL FOR LAND USE PLANNING DAMPIER ARCHIPELAGO



- Geology and mineral potential**
- MARINE**
- Mk** Limestone reefs of cemented dunesand and cemented shell banks
 - Mrk** Talus deposits of coral and limestone debris overlying and adjacent to limestone reefs
 - Mrk** Calcareous sand deposits of the near shore sand plains and shell banks — very high potential for limesand
 - Mc** Silt and clay of the nearshore plain
 - Mpc** Silt and clay of the offshore plain
- COASTAL**
- Rkk** Coastal limestone; lime-cemented shelly sand, dune sand, and beach conglomerate; Pleistocene — very high potential for limestone
 - Rk** 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
 - Tc** Marine mud and silt on supratidal to intertidal flats; includes intertidal deposits with mangroves; Holocene
 - Ta** Alluvial sand and gravel in levees and sandbanks associated with deltas
- ALLUVIAL**
- A/c** Clay and silt in claypans on floodplains, and in coastal lacustrine deposits
 - Af** Alluvial sand, silt, and clay in floodplains, with gugal surface in areas of expansive clay
 - Al** Alluvial sand and gravel in rivers and creeks; clay, silt, and sand in channels on floodplains
- SHEETWASH**
- W/c** Sand, silt, and clay in distal outwash fans
 - W** Sheetwash deposits; silt, sand, and pebbles
- COLLUVIAL**
- Cl** Colluvial sand, silt, and gravel in outwash fans; scree and talus; proximal mass-wasting deposits
- SANDPLAIN**
- E** Eolian sand; red-yellow, wind-blown; local sand ridges
- OLDER ALLUVIAL**
- Ad** High-level gravel deposits unrelated to recent drainage; dissected
 - Adi** Pisolitic limonite deposits, developed over paleodrainage lines; dissected by present-day drainage
- OLDER COLLUVIAL**
- C2** Consolidated colluvial clay, silt, sand, and gravel deposits; dissected
- RESIDUAL**
- Ra** Residual calcareate; massive, nodular, and cavernous limestone, mainly silicified
 - Rf** Ferricrete; includes ferruginous and pisolitic ironstone; residual origin; dissected by present-day drainage

- 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
 - AG** Gidley Granophyre and gabbro
- Pilbara Supergroup (2930–3270 Ma)**
- API** Pilbara Supergroup: Basalt, komatite, and peridotite; chert, banded iron-formation, carbonate and ferruginous sedimentary rocks, shale, siltstone, and conglomerate; felsic volcanic rocks; gabbro and dolerite; metamorphosed
 - Ag** Granitoid rock, undivided

- Lime resources**
- Lsd** Strategic limesand resource (Delambe and Eaglehawk Islands)
 - Lst** Strategic limestone resource (Legendre Island)
 - Lsd** Limesand (Lsd) prospect
 - Lsd** Limesand (Lsd) deposit
 - Lst** Limestone (Lst) prospect
 - Lst** Limestone (Lst) deposit
- Conservation reserves**
- NR** Proposed marine reserve (various categories)
 - NR** Nature reserve
 - CR** CALM 5(1) (g) reserve

- Other mineral occurrences, deposits and mines by groups**
- Gv** Construction material
 - Im** Industrial mineral
 - Fe** Iron
 - Bm** Base metal
 - Pm** Precious metal
- Resources**
- Gv** Rock, gravel (Gv), sand, clay
 - Qtz** Salt, quartz (Qtz)
 - Fe** Iron (Fe)
 - Cu, Ag** Copper (Cu), copper with minor silver (Cu, Ag)
 - Au, Ag** Gold (Au), silver (Ag)
- Geological boundary**
- Drop sample** Seafloor sample sites: Drop sample
 - Vibrocane** Seafloor sample sites: Vibrocane
 - Rotary drilling** Seafloor sample sites: Rotary drilling
- Other symbols**
- Major road / Highway**
 - Minor road**
 - Railway**
 - Locality**
 - Townsite**
 - Ore stockpiles**
 - Made ground**
 - Coastline**



Theme	Data Source	Data Currency	Agency
Geology	DAMPIER AND HANCOCK ISLAND 1:200 000 Geological Series map (GSBR) NORDBRIDGE 1:200 000 Geological Series map (GSBR) GSBR Record 1984/2 Fig. 4	2001 2001 1984	Dept of Industry and Resources Dept of Industry and Resources Dept of Industry and Resources
Marine	GSBR Record 1984/2	1984	Dept of Industry and Resources
Seafloor sample sites	GSBR Record 1984/2	1984	Dept of Industry and Resources
Mineral occurrences (non-confidential)	MINRES MINRES/EX	2004 2004	Dept of Industry and Resources Dept of Industry and Resources
Cadastre	Proposed mine reserves Nature reserves CALM 5(1) (g) reserves	2006 2004 2001	Dept of Conservation and Land Management Dept of Conservation and Land Management Dept of Conservation and Land Management
Topographic nomenclature	GEONAMA	2001	Dept of Land Information
Topography		2003	Dept of Land Information

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SCALE 1:100 000

UNIVERSAL TRANSVERSE MERCATOR PROJECTION
Map Grid of Australia Zone 50

The Map Grid of Australia (MGA) is based on the Geocentric Datum of Australia 1984 (GDA).
GDA systems are compatible with the new series of the Asian World Geodetic System.

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RESOURCE POTENTIAL FOR LAND USE PLANNING**
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