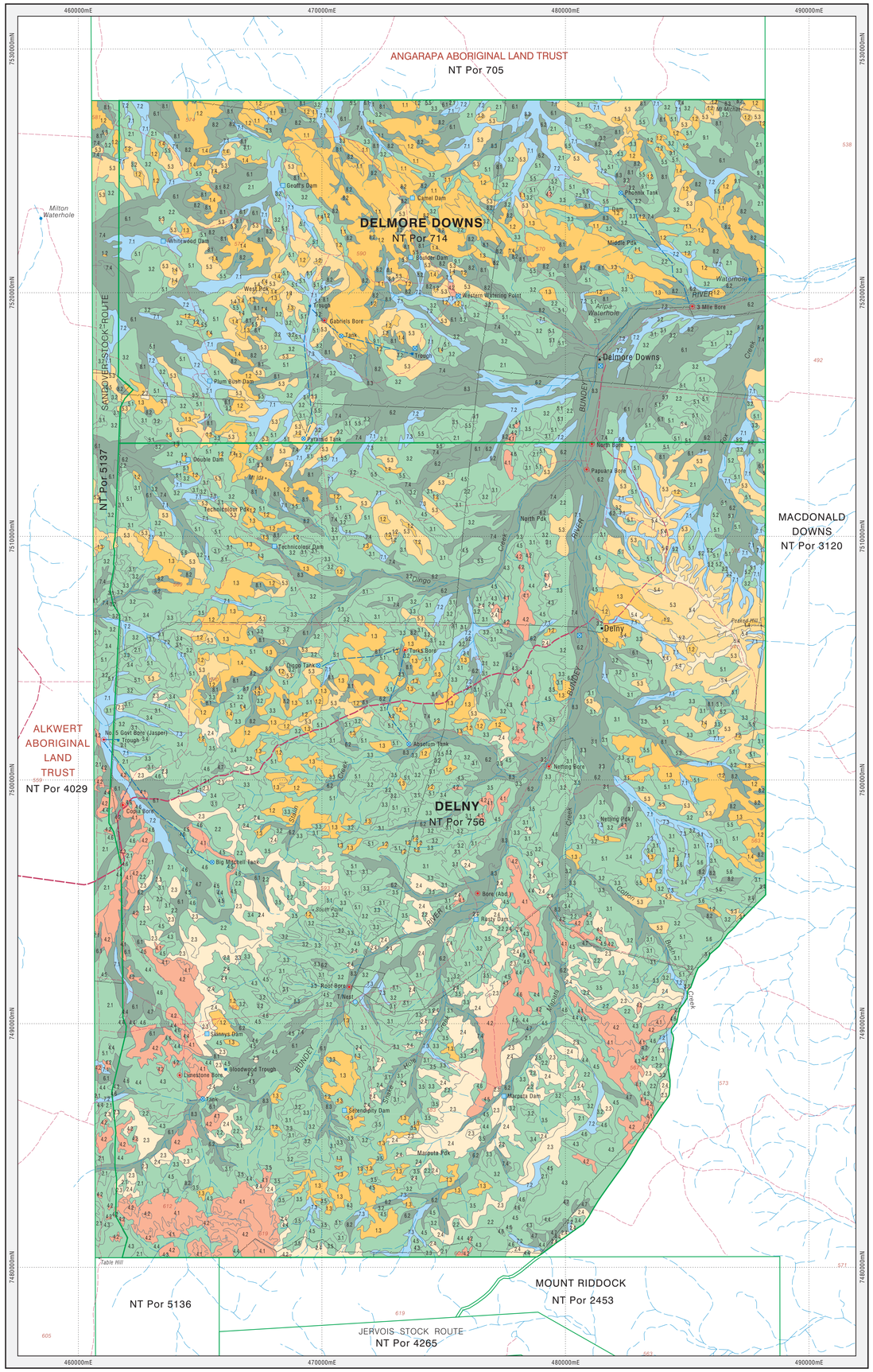
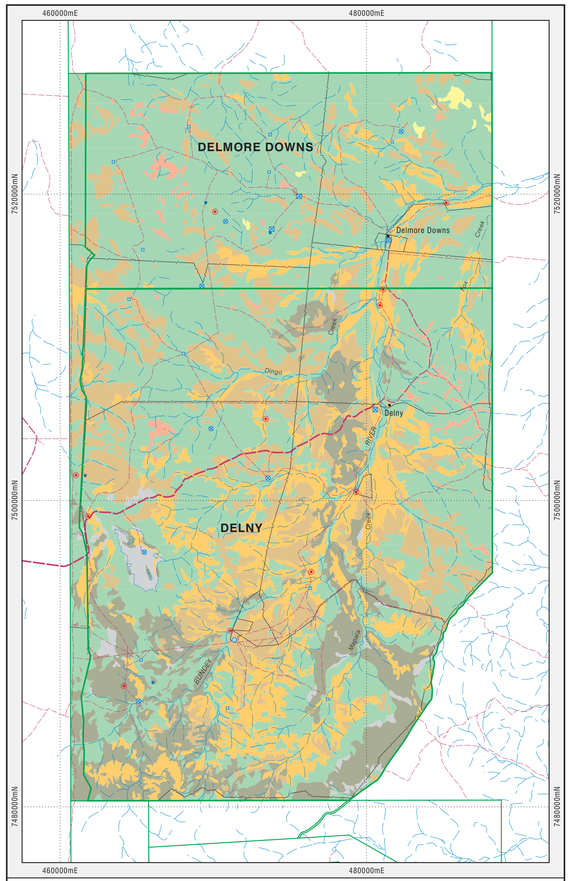
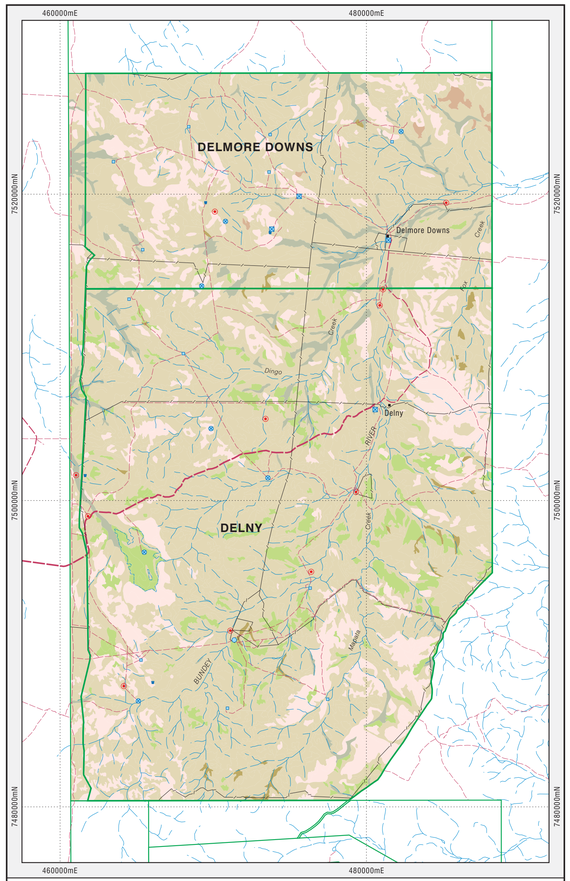
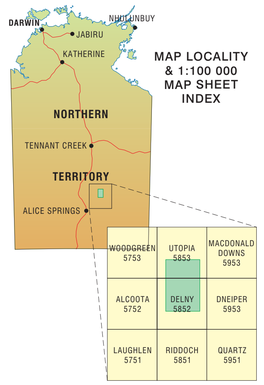






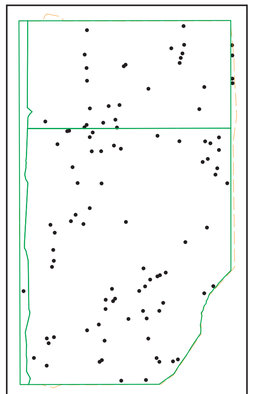


MAP LOCALITY & 1:100 000 MAP SHEET INDEX

Cartography:
Spatial Data and Mapping, Water Resources Division,
Department of Land Resource Management,
Northern Territory of Australia January 2014

Web: www.lrm.nt.gov.au/nrmapsnt
Map Reference:
Delny/Delmore-Downs_Land-Resources_100k

Attribution-NonCommercial-ShareAlike
This publication is provided under a Creative Commons Attribution 3.0 Australia Licence
http://creativecommons.org/licenses/by-nc-sa/3.0/au/



FIELD SITE LOCATIONS

SOIL TYPES

km 0 5 10 km

- Calcarosols
- Chromosols
- Dermosols
- Kandosols
- Rudosols
- Tenosols
- Vertosols

VEGETATION CLASSES

km 0 5 10 km

- Woodland
- Open woodland
- Mallee shrubland
- Shrubland
- Chenopod shrubland
- Grassland

LAND UNIT DESCRIPTIONS

PLATEAUX

4.1	Plateaux surfaces. Red clay soils (Red Dermosols). Atalaya hemiglauca with Acacia kempeana low open woodland
4.2	Plateaux surfaces. Red calcareous soils (Lithocalcic Calcarosols). Acacia kempeana with Atalaya hemiglauca and Ventilago viminalis tall sparse shrubland

LOW HILLS

1.1	Low hills or undulating rises of sandstone. (Red Kandosols). Acacia aneura low open woodland
1.2	Hills and ridges of gneiss. (Red Kandosols). Acacia aneura with Corymbia opaca and Acacia kempeana low open woodland
1.3	Low hills with shallow gravelly soils. (Red Kandosols). Corymbia opaca and Acacia aneura low open woodland
1.4	Low rocky hills. Gravelly Lithosols (Rudosols). Acacia kempeana with Corymbia opaca and Eremophila freelingii tall sparse shrubland

RISES

5.3	Gently undulating rises. Medium textured red earth soils (Red Kandosols). Acacia kempeana with Acacia aneura and Atalaya hemiglauca tall sparse shrubland

LOW RISES

2.3	Low rises. Medium textured red earths (Red Kandosols). Acacia aneura; Acacia kempeana and Senna artemisioides subsp. helmsii mid-high sparse shrubland
2.4	Low dissected rises. Gravelly red earths (Red Kandosols). Acacia aneura and Acacia georginae low open woodland
5.4	Low rises. Red earths (Leptic Rudosols). Acacia kempeana; Acacia tetragonophylla and Senna artemisioides subsp. helmsii mid-high sparse shrubland

Example of Land Unit Descriptions

RISES

5a1 — Undulating stony basalt rises, rock outcrop in some areas. Very shallow soils (Leptic Rudosols). Snappy gum low woodland with soft spinifex grasslands. (Eucalyptus brevifolia open woodland)

Landform; Landform description; Soil description; Land unit; Vegetation description; Vegetation community

PLAINS

2.1	Level plains. Red earths (Red Kandosols). Acacia aneura with Corymbia opaca low open woodland
2.2	Gently sloping plains. Medium textured red earths (Red Kandosols). Acacia aneura tall shrubland
3.1	Gently undulating plains. Red clays (Red Chromosols). Eragrostis setifolia with Maireana aphylla and Astrebla pectinata low sparse grassland
3.2	Gently undulating plains. Red brown earths (Red Chromosols). Acacia georginae low open woodland
3.3	Gently undulating plains dissected by shallow drainage systems. Red brown earths (Red Dermosols). Acacia georginae low open woodland
3.4	Broad low rises. Red brown earths (Red Chromosols). Acacia georginae low open woodland
3.5	Gently sloping plains. Red brown earths (Red Dermosols). Acacia georginae low open woodland
4.3	Gently undulating plains. Red calcareous soils (Supracalcic Calcarosols). Acacia kempeana with Acacia aneura and Hakea eyreana tall sparse shrubland
4.4	Gently sloping plains. Red calcareous soils (Calcic Calcarosols). Acacia estrophiolata and Acacia victoriae mid-high open woodland
4.5	Gently undulating plains. Red calcareous soils (Supracalcic Calcarosols). Acacia georginae low open woodland
4.6	Level plains. Red clays (Vertosols). Astrebla pectinata and Eragrostis setifolia low sparse tussock grassland
5.1	Gently undulating plains. Red earths (Red Kandosols). Atalaya hemiglauca; Acacia aneura and Hakea lorea low open woodland
5.2	Low lying plains. Saline red brown earths (Red Chromosols). Maireana aphylla and Atriplex vesicaria sparse chenopod shrubland

PLAINS (cont.)

5.5	Sandy plains. Earthy sands (Red Kandosols). Acacia kempeana; with Acacia aneura and Corymbia opaca tall sparse shrubland
5.6	Gently undulating plains. Calcareous red earths (Red Kandosols). Acacia estrophiolata with Corymbia opaca and Atalaya hemiglauca low open woodland
9.1	Gently undulating sand plains. Earthy sands (Red-Orthic Tenosols). Eucalyptus gamophylla tall sparse mallee shrubland

ALLUVIAL PLAINS

4.7	Alluvial plains. Red clays (Vertosols). Astrebla pectinata mid high sparse tussock grassland
6.1	Level alluvial plains. Red earths (Red Kandosols). Acacia aneura with Acacia estrophiolata and Grevillea striata low open woodland
6.2	Level alluvial plains. Red earths (Red Dermosols). Acacia georginae low open woodland
7.4	Alluvial plains. Red earths (Red Kandosols). Acacia estrophiolata low woodland
8.1	Gently sloping alluvial fans. Alluvial soils (Kandosols). Atalaya hemiglauca with Hakea lorea low open woodland
8.2	Gently sloping alluvial fans. Red earths (Red Kandosols). Acacia aneura with Acacia kempeana and Corymbia opaca low open woodland
8.3	Minor floodouts and floodplains. Red earths (Red Kandosols). Acacia estrophiolata mid-high open woodland

DRAINAGE SYSTEMS

7.1	Gently sloping drainage depressions. Red earths (Red Kandosols). Atalaya hemiglauca with Ventilago viminalis and Hakea eryeana low open woodland
7.2	Level or gently sloping drainage depressions. Red earths (Red Kandosols). Acacia aneura mid-high woodland
7.3	Level or gently sloping drainage depressions. Red earths (Red Chromosols). Maireana aphylla low sparse chenopod shrubland

GENERAL FEATURES

- Land unit boundary
- Property boundary
- Pastoral homestead — Delny
- Main road: unsealed
- Minor road: unsealed
- Local road / track
- Water Bore
- Tank
- Dam
- Turkey nest
- Water pipeline
- Fence
- Paddock name — Netting Pdk
- Drainage
- Lagoon / waterhole
- Relief feature, named — Table Hill
- Spot height — 706

© Northern Territory of Australia

The Northern Territory of Australia does not warrant that the product or any part of it is correct or complete and will not be liable for any loss damage or injury suffered by any person as a result of its inaccuracy or incompleteness.

TECHNICAL REFERENCES:

McDonald, R.C., Isbell, R.F., Speight, J.G., Walker, J. and Hopkins, M.S. (1990). *AUSTRALIAN SOIL AND LAND SURVEY FIELD HANDBOOK.* 2nd Edition. Inkata Press, Melbourne.

Isbell R.F. (2002). *THE AUSTRALIAN SOIL CLASSIFICATION.* Revised Edition. CSIRO Publishing, Melbourne.

BIBLIOGRAPHIC REFERENCE:

Grant, A.R. and Kennedy A.J.(2003) Report No: 21/2003A
THE LAND RESOURCES OF DELNY / DELMORE DOWNS STATION
Natural Systems Division, Department of Infrastructure, Planning and Environment,
PO Box 2130,Alice Springs, NT. 0871

Land resource information has been derived from aerial photograph interpretation and field data describing landform, soil and vegetation. Mapping has been collected according to the national standards and prepared at a scale of 1:100 000. Enlarging this map beyond this scale will not provide further detail.

A site inspection should always accompany mapping for specific areas.

This map was produced on the Geocentric Datum of Australia 1994 (GDA 94)

kilometres 0 2 4 6 8 10 kilometres

Black numbered lines are 10 000 metre intervals of the Map Grid of Australia (MGA) Zone 53 Transverse Mercator Projection Horizontal Datum: GDA 94

Northern Territory Government

LAND RESOURCES of DELNY/ DELMORE DOWNS STATION

For further information contact:
Manager, Land Assessment, Rangelands Division, Department of Land Resource Management
Ph. (08) 8999 4443 Email: rangelands@nt.gov.au Web: www.lrm.nt.gov.au
Level 3, Goyder Centre, 25 Chung Wah Terrace, Palmerston, Northern Territory of Australia.