

**LAND UNIT DESCRIPTIONS**

**LOW HILLS**

1.1 Rocky sandstone hills with shallow soils, slopes up to 25%; 5% sandstone outcrop. Lithosols (Leptic Rudosols). *Acacia tempeana* Tall sparse shrubland.

**LOW RISES**

2.1 Low gravelly rises, slopes 4%; relief 5m; gravelly soils. Red calcareous soil (Calcic Calcarosols). *Maireana astrotrocha* Low sparse chenopod shrubland.

**PLAINS**

2.2 Gently undulating plains formed on calcareous, slopes 2%; relief 3m; 1% limestone outcrop. Lithosols (Leptic Rudosols). *Acacia tempeana* Tall sparse shrubland.

2.3 Gently undulating plains formed on calcareous, 1% limestone outcrop. Lithosols (Leptic Rudosols). *Acacia tempeana* Tall sparse shrubland with isolated trees.

2.4 Gently undulating plains giving way to breakaways adjacent to salt lakes, slopes 3%; relief 15m. Calcareous red earths (Sclerochaeta Calcarosols). *Eriosepogon cynosuroides*, *Eriosepogon avicennae* Mid high grassland.

2.5 Gently undulating plains, slopes 3%; relief 5m. Calcareous red earths (Lithocalcic Calcarosols). *Eriosepogon cynosuroides*, *Eriosepogon avicennae* Low grassland.

3.1 Gently undulating plains with abundant surface ironstone gravel. Calcareous red earths (Red Chromosols). *Sclerochaeta incornis*, *Sclerochaeta lanicuspis* Mid high sparse chenopod shrubland.

3.2 Level plains, slopes 1%. Calcareous red earths (Calcic Calcarosols). *Acacia tempeana* Very tall sparse shrubland.

3.3 Level plains, slopes 2%. Calcareous red earths (Hypercalcic Calcarosols). *Maireana astrotrocha* Mid high sparse chenopod shrubland.

3.4 Gently undulating plains with bare, scalded gravelly patches and broad drainage areas, slopes 2%; relief 1.5m. Calcareous red earths (Leptic Rudosols). *Eriosepogon neglecta* Tall sparse shrubland with isolated trees.

4.1 Level plains, lateritic red earths (Red Kandosols). *Acacia aneura* Low open woodland.

4.2 Level plains, often occurring as swales within the southern duneveld. Red earths (Red Kandosols). *Acacia aneura* Low open woodland.

4.3 Level plains adjacent to western salt lakes, slopes 1%; relief 1m. Desert loam (Red Kandosols). *Eriosepogon desali* with *Anguria vesicaria* Mid high grassland with low isolated trees.

7.2 Gently undulating plains at salt lake margins, slopes 2%; relief 1m. Solonchaks (Britic Rudosols). *Eriosepogon desali* Low open woodland.

7.3 Gently undulating plains at the edge of salt lakes. Solonchaks (Hypercalcic Rudosols). *Halosarcia* spp. with *Frankenia eseytholida* Mid high open chenopod shrubland.

**ALLUVIAL PLAINS**

6.1 Alluvial plains with minor stream channels. Red earths (Red Kandosols). *Acacia estrophiolata* Mid high open woodland.

**SAND PLAINS**

5.1 Gently undulating sandplains. Earthy sands (Arenic Rudosols). *Acacia aneura* Tall sparse shrubland.

5.2 Level sand plain. Earthy sands (Red Kandosols). *Acacia aneura* Very tall sparse shrubland.

5.3 Level sand plains with minor dunes. Earthy sands (Arenic Rudosols). *Acacia aneura* Mid high open woodland.

5.4 Level sand plains. Red earths (Red Kandosols). *Acacia victoriae*, *Acacia essicarpa* Tall sparse shrubland.

5.5 Level sand plains with associated clay pans and sandy depressions. Red earths (Red Kandosols). *Doodiaea viscosa* subsp. *angustissima*, *Eriosepogon sturtii* Tall sparse shrubland.

**DUNE FIELDS**

5.10 Dune fields adjacent to salt lakes, slopes 5%; relief 15m. Earthy sands (Hypocalcic Calcarosols). *Acacia ligulata* Very tall sparse shrubland.

5.6 Sandy duneveld; dune side slopes 6% with gently inclined plains. Earthy sands (Red-Orthic Tenosols). *Acacia aneura* Low open woodland.

5.7 Dune fields with low intersecting reticulate sand dunes. Red earths (Red Kandosols). *Eucalyptus gomphocephala* Low open mallee woodland over a hummock grassland.

5.8 Gently undulating dune fields with very low intersecting reticulate sand dunes, soils slopes 0%. Earthy sands (Arenic Rudosols). *Acacia estrophiolata*, *Acacia aneura* Mid high open woodland.

5.9 Gently undulating duneveld with low intersecting reticulate sand dunes. Earthy sands (Red-Orthic Tenosols). *Acacia aneura* Mid high open woodland.

**DRAINAGE SYSTEMS**

6.2 Broad drainage floors, slopes 1%; relief 1m. Calcareous red earths (Calcic Calcarosols). *Acacia estrophiolata*, *Eucalyptus cotinifolia* subsp. *arida* Mid high open woodland.

6.3 Broad drainage floors, slopes 1%; relief 1m. Red earths (Red Chromosols). *Acacia aneura* Mid high open woodland.

7.1 Broad drainage floors, often linking salt lakes, slopes 1%; relief 1m. Red earths (Red Chromosols). *Halosarcia* spp., Low sparse chenopod shrubland.

**SWAMPS**

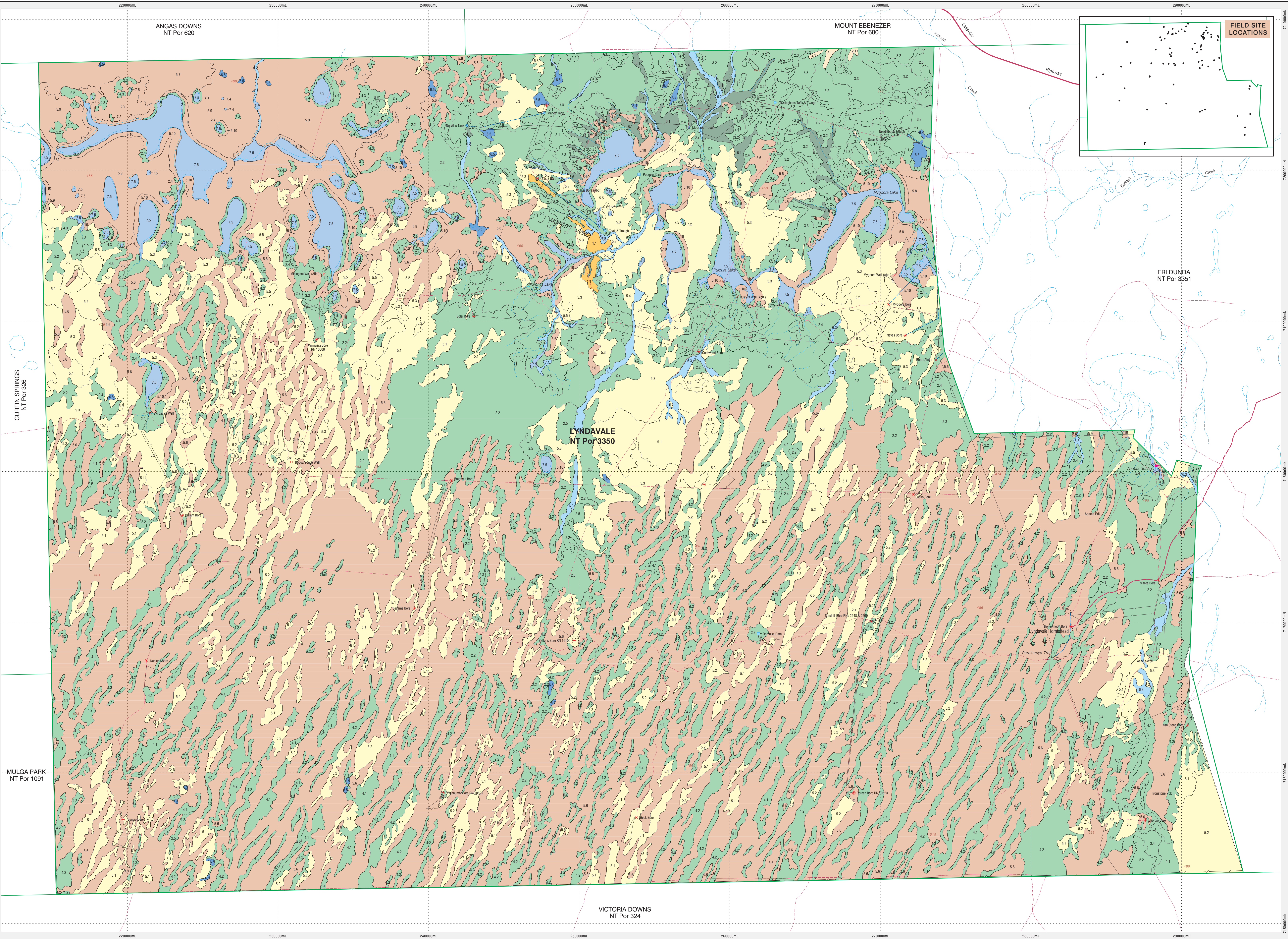
6.4 Closed depressions formed from alluvial deposits, slopes 1%; relief 1m. Calcareous red earths (Calcic Calcarosols). *Eucalyptus cotinifolia* subsp. *arida* with *Acacia estrophiolata* Mid high open woodland.

6.5 Closed depressions, plays, slopes 1%; relief 1m. Red clays (Red Kandosols). *Acacia aneura* with *Eucalyptus cotinifolia* subsp. *arida* Low open woodland.

**INLAND WETLANDS**

7.4 (Epifaunal) clays and interconnecting plains. Red clays (Hypocalcic Calcarosols). *Halosarcia* spp., Low sparse shrubland.

7.5 Extensive plays free of vegetation with a halite crust over brine. Solonchaks (Rudosols). Devoid of vegetation.

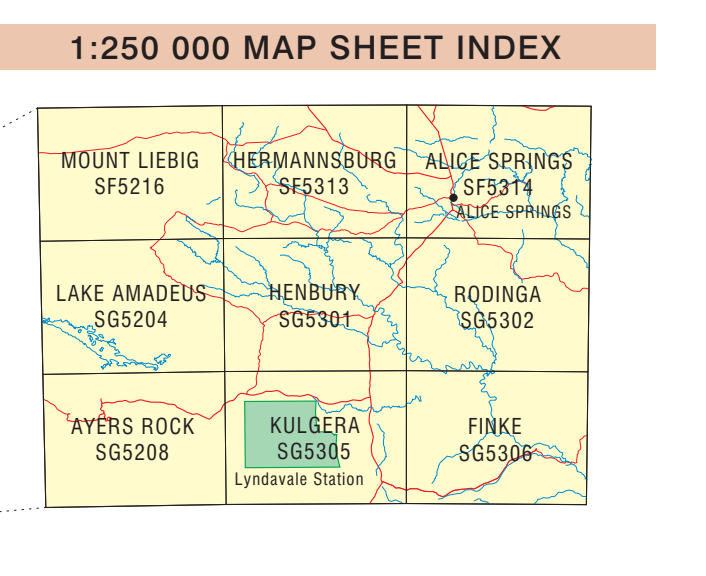
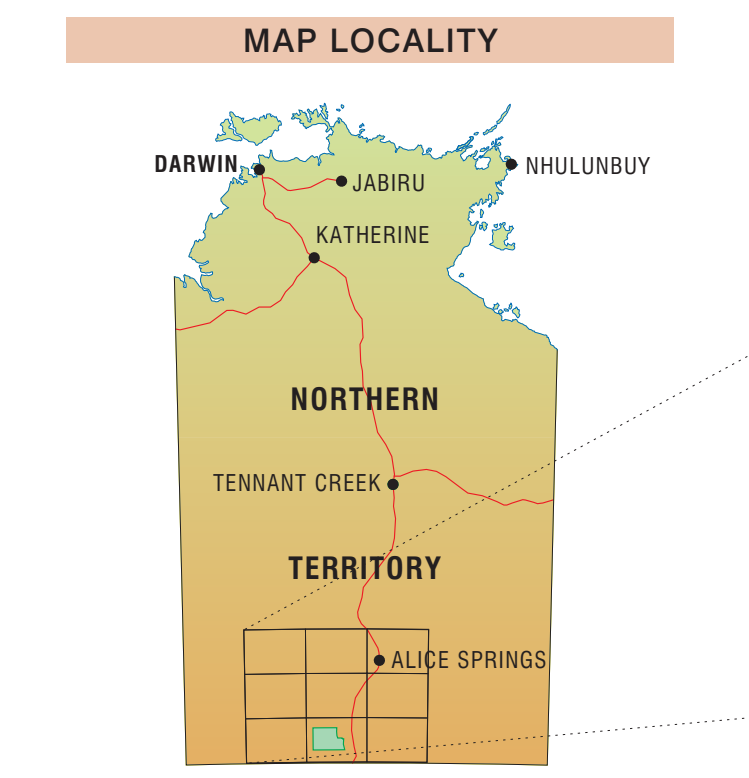


**Example of Land Unit Descriptions**

PLAINS	Landform	Landform description	Soil description
2.4	Gently undulating plains with abundant surface ironstone gravel.	Calcareous red earths (Red Chromosols). <i>Sclerochaeta incornis</i> , <i>Sclerochaeta lanicuspis</i> Mid high sparse chenopod shrubland.	Land unit
2.5	Gently undulating plains with very low intersecting reticulate sand dunes.	Red earths (Red Kandosols). <i>Acacia victoriae</i> , <i>Acacia essicarpa</i> Tall sparse shrubland.	vegetation description

**GENERAL FEATURES**

- Property boundary
- Pastoral homestead
- Main road: sealed
- Main road: unsealed
- Local road / track
- Landing ground
- Yard
- Water Bore, Water Bore Abd.
- Well, Well Abd.
- Dam
- Water tank & Trough
- Trough
- Water pipeline
- Fence
- Cleared Line
- Drainage
- Spring
- Spot height
- Acacia 9%



Cartography by Spatial Data and Mapping, Water Resources NT, Department of Land Resource Management, Northern Territory of Australia, December 2014. Web: www.lrm.nt.gov.au/lrmappst. Map Reference: LyndaVale-Stn\_LandResources\_100k.

Base Information Data Sources: Northern Territory Department of Lands, Planning and the Environment, Geoscience Australia, Australian Government.

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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.

Scale: 1:250 000. Black numbered lines are 10 000 metre intervals of the Magi Grid of Australia (MGA) Zone 53. Transverse Mercator Projection. Horizontal Datum: GDA 94.

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**BIBLIOGRAPHIC REFERENCE:** Kennedy, A.J. and Bazzone, S.L. (2002) THE LAND RESOURCES OF LYNDVALE STATION. Technical Report No. 20/2002. Department of Infrastructure, Planning & Environment, Alice Springs, Northern Territory.

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**LAND RESOURCES of LYNDVALE STATION**