

LAND SYSTEM DESCRIPTIONS	
<b>PLATEAUX</b>	
Krichauff	Plateau, dissected and gullied escarpment with minor spikiflex fans and incised channels. Exposed stone or rocky with thin veneer of red sand. Sparse trees of mainly acacia and mallee, and low shrubs over spikiflex and minor Mulga mitchellii. Woollybutt wandarilla and Kerrirose grass. Dissected escarpment base or with sparse trees incl. Mallee pine, Mulga, Witchetty bush and acacia and Wickhamia grevillea over sparse spikiflex.
<b>HILLS</b>	
Tomahawk	Hills, hillslopes, plateau and minor terraces and incised drainage lines and channels. Stony and rocky surfaces. Gleya woodland over sparse pasture of Woollycot, Mulga, Burton. Five minute and Eight day grasses and minor coppertop on hillslopes. Creeks and river channels fringed with Redgum and Ironwood over Curly Windmill, Kangaroo and Silky browtop grasses. Wichey shrubland, and Crinkled cassia. Mulga, Whitewood and Turkey bush over Woollycot, Mulga, Burton. Eight day and Five minute grasses on Plateau.
<b>LOW HILLS</b>	
Bond Springs	Low hills, lower slopes and minor small watercourses throughout. Surface is mainly rock. Mostly bare rock, lower slopes grow mainly Wichey bush and scattered Mulga over Woollycot and Mulga grass. Small watercourses grow mainly Ironwood, Mulga and Picky wattle over mainly perennial grasses.
Cherry Creek	Bevelled low ridges and very small areas of rock outcrop. Red loamy sands. Sparse trees, Blue and Red mallee, Desert acacia beelwood over shrubs, spikiflex and minor forbs.
Hann	Low ranges and sandy footslopes. Rocky ranges and sandy footslopes. Spikiflex dominant.
Illumatic	Low ranges. Mainly rocky surfaces with pockets of shallow sandy and gilly soils. Pockets of shallow rocky surfaces. Mallee pine and shrubs over mainly scattered spikiflex and other hard grasses and small amounts of Woollycot and Mulga grass.
<b>PLAINS</b>	
Acosta	Dissected plains. Soil not described. Vegetation not described.
Delny	Plains and gentle slopes and minor drainage lines, areas with moderate slopes and dissected by gullies and watercourses. Red earths and sandy clay loams on plains, stony surfaces, red brown sandy clay loams on areas with moderate slopes. Small areas of undulating plains with shallow calcareous sandy clay loams and red earths lateritic gravels. Gleya woodland, ground red earth soils over mostly Woollycot and Mulga grasses and forbs. Drainage lines with Gleya, Mulga and Ironwood or occasional Red gum over rank perennial grasses.
Ryan	Plains (interfluvial) with small areas of valley floors, granite ridges, boulders and domes and watercourses. Grey sandy clay loams on plains, red earths on valley floor, granite ridges with shallow gilly soils and sandy clay loams on drainage lines and channels. Whitewood, Mulga, Corkwood, Wichey bush, Bloodwood, Sandalwood, Supplejack and sparse shrubs over Woollycot and Mulga grasses. Granite ridges with occ. Wichey, Whitewood, Corkwood and shrubs over spikiflex and sparse grass. Mulga and Ironwood over Curly windmill grass, Silky browtop, Umbrella and Kangaroo grasses on drainage lines.
<b>ALLUVIAL PLAINS</b>	
Bushy Park	Level to gently undulating plains and small areas of broad flat drainage depressions. Red earths i.e. red sandy clay loams, Mulga and Turkey bush over hard and generally unpalatable perennial grasses, Spikiflex, Woollybutt, Mitchell and Wire grass. Drainage depressions with dense Mulga over sparse Woollycot and Mulga grasses. Woollycot and Curly windmill grass.
Ringwood	Broad slightly hummocked alluvial plains with small areas of broad drainage depressions, swamps and drainage lines. Red brown sandy clay loams and red clayey clay loams on plains and low dunes with red loamy sands and sandy loams. Gleya and occ. low shrubs. Curly windmill and Umbrella grass under trees, Woollycot and Mulga grass and other minor grass between trees. Depressions with Gleya and minor Cordolan and Mulga and perennial grasses. Cordolan on margins of swamps with minor Bluebush, Mitchell grass and forbs. Dunes with open Gleya, Kerrirose and Woollycot grass.
<b>SAND PLAINS</b>	
Amulda	Hummocky sand plain and small areas with medium height irregular dunes and floodouts and creeks. Red loamy sands. Mallee, Mulga. Desert kangaroo and shrubs over spikiflex on the sand plain. Dunes stabilised by spikiflex with scattered trees incl. Shining wattle and Beeroof. Floodouts with Ghost gum, Cordolan and occ. Bean trees and Ligum or Giddon beard grass, Silky browtop, Curly windmill grass and spikiflex. Creek lines grow Ironwood, Mulga, Redgum and Ghost gum over tall perennial grass.
<b>DUNE FIELDS</b>	
Leahy	Broad hummocky, sandy, alluvial plains and discontinuous low and medium dunes. Small swamps and drainage depressions in sandy clay loams and sandy clay loams on plains and dunes. Swamps have brown and grey brown light clays and depressions with red sandy clay loams. Spikiflex dominant. Open overstorey of Mulga, Ironwood, Beeroof, Whitehead, Whitehead, Cordolan, Wichey bush, Picky wattle over spikiflex, Mulga and Ironwood and Ironwood and Corky Wattle over spikiflex with Cordolan and/or Northern Bluebush and/or Ligum and a variety of forbs. Depressions with Mulga and occ. Whitehead, Ironwood and Cordolan.
Simpson	Sand dunes and swales. Red sands on dunes and swales with sandy clay loams, sandy loams. Dunes stabilised by spikiflex with minor grasses and scattered Desert acacia and Beeroof trees. Swales grow a variety of scattered trees depending on soil types and water relationships.
<b>DRAINAGE SYSTEMS</b>	
Sandover	Outer plains, alluvial sandplains, levee banks, low dunes, swamps and sandy river and creek channels. Alluvial sandy clay loams and loamy sands. Swamps have brown or grey cracking clays often gullied. Channels with coarse sands and grits. Various woodland communities: Mallee, Ironwood, Whitehead, Supplejack, Mulga and occ. Gleya over Kerrirose, Mulga and Woollycot grasses. Spikiflex sandplains. Swamps with Cordolan over Nevertal and occ. Northern Bluebush.
Utopia	Alluvial fans, swamps, drainage depressions and channels. Swamps with grey ally medium clay (gibber). Alluvial fans with red, sandy clay loams with gleyed or non gleyed grey coarse ally clay. Swamps with Northern bluebush and vertebrae over a variety of palatable and unpalatable forbs. Alluvial fans grow Gleya over Woollycot, Mulga, Curly Windmill, Umbrella and Cotton pants grasses. Some fans with Mitchell grass or Nevertal grass.

**Example of Land System Description**

Cherry Creek	Map unit	Landform Description	Soil Description
		Bevelled low ridges and very small areas of rock outcrop. Red loamy sands. Sparse trees, Blue and Red mallee, Desert acacia beelwood over shrubs, spikiflex and minor forbs.	Red sandy clay loams, Mulga and Turkey bush over hard and generally unpalatable perennial grasses, Spikiflex, Woollybutt, Mitchell and Wire grass. Drainage depressions with dense Mulga over sparse Woollycot and Mulga grasses. Woollycot and Curly windmill grass.
	Land system		Vegetation description

**Please Note:**  
This report is generally not available. Access requests should be directed to Arid Zone Research Institute Library in Alice Springs. Email: azri.library@nt.gov.au

**Bibliographic Reference:**  
Shaw, K. and Grant, R. (1983) Utopia Land Resources: Their condition, utilization and management. Department of Primary Production, Alice Springs, Northern Territory

GENERAL FEATURES	
Land unit boundary	—
Limit of mapping	---
Property boundary	---
Highway: sealed	==
Highway: unsealed	---
Minor road: unsealed	---
Local road: track	---
Minor Community	---
Family outstation	---
Drainage	---
Lake: non perennial	---
Swamp	---
Waterhole / Rockhole	---
Relief feature	---
Range or Plain	---
Spot height	---
Relief ridge	---
Sand ridges	---

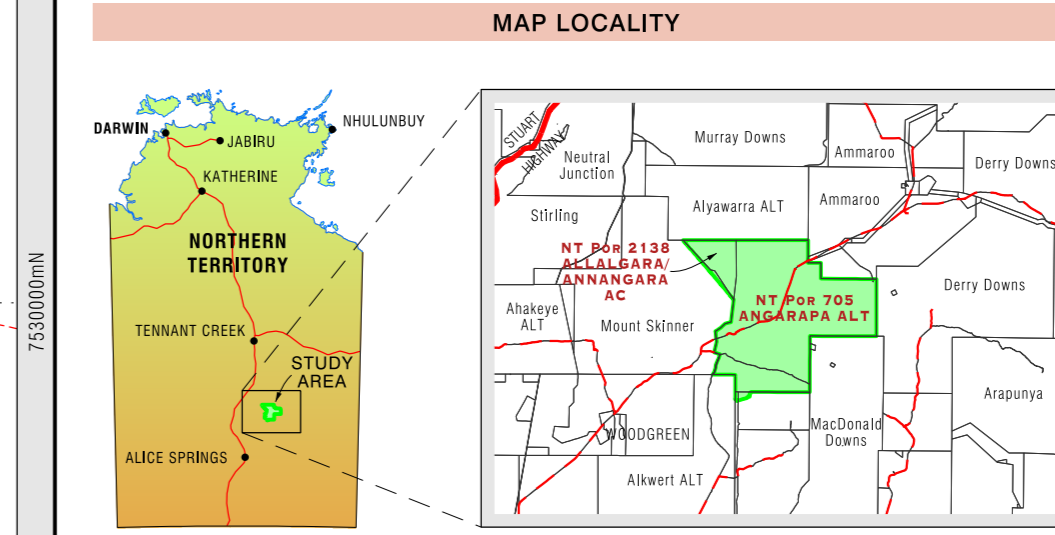
**General features data sources:**  
Cadastral, roads, place names: Department of Infrastructure, Planning and Logistics, Northern Territory of Australia.  
Hydro features: Commonwealth of Australia (Bureau of Meteorology) 2014  
Spot heights: Geoscience Australia, 2007. Geodata topo 250K, Series 3.

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

**For further information contact:**  
Department of Environment, Parks and Water Security  
Director, Land Assessment, Rangelands Division  
Ph: (08) 8999 4476 Email: rangeland@nt.gov.au  
Level 3, Goyler Centre, 25 Chung Wah Terrace, Palmerston, Northern Territory of Australia  
Web: <https://depws.nt.gov.au>  
Geospatial Information: <https://rmaps.nt.gov.au>

**Cartography by:**  
Deborah Mullin - Geospatial Services  
Department of Environment, Parks and Water Security  
Northern Territory of Australia.  
Map Reference: Map\_Utopia-Sin\_Land-Res\_100k\_m53  
Drawing Number: DEPWS 2022 001  
February 2022

# LAND RESOURCES OF ANGARAPA ABORIGINAL LAND TRUST and ALLALGARA/ANNANGARA ABORIGINAL CORPORATION



**Limitations of use**  
Land Resource information has been derived from aerial photograph interpretation and field data collection describing landform, soil and vegetation. Mapping has been collected at a nominal scale of between 1:100 000 and 1:250 000. Enlarging this map beyond this scale will not provide further detail and is not recommended.

Final mapping is presented at a scale of 1:100 000.

When assessing specific areas within the mapping it is recommended that a site inspection be undertaken to establish unmaped variations and to confirm the mapping accuracy on the ground.

Creative Commons Attribution 4.0 International Public License  
CC BY 4.0  
<https://creativecommons.org/licenses/by/4.0/>

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