

▲ Taracumbi

ADJOINING SHEETS

Base Information Data Sources:

Northern Territory Department of Lands, Planning and Environment. Geoscience Australia, Australian Government

Attribution-NonCommercial-ShareAlike

http://creativecommons.org/licenses/by-nc-sa/3.0/au/

Black numbered lines are 5000 metre intervals of the Map Grid of Australia (MGA) Zone 52 Transverse Mercator Projection Horizontal Datum: GDA 94

MAP LOCALITY & 1:100 000 MAP SHEET INDEX

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

is publication is provided under a Creative ommons Attribution 3.0 Australia Licence

Spot height

Family outstation

NORTHERN

TERRITORY

TENNANT CREEK 🗸

ALICE SPRINGS 🕽

Plateau surfaces; generally flat with slopes <2%; no outcrop or surface gravels. Deep loamy red massive earths (Red Kandosols); gradational; sandy loam to fine sandy clay loam; no gravels;

well drained. Eucalyptus miniata; Eucalyptus tetrodonta and Corymbia nesophila open forest Plateau surfaces; flat to gently sloping 2-5%; no outcrop or surface gravels. Deep loamy red massive earths (Red Kandosols); gradational; sandy loam to fine sandy clay loam; no gravels; well drained. Eucalyptus miniata; Eucalyptus tetrodonta and Corymbia nesophila open forest

Plateau surfaces; generally flat with slopes <2%; no outcrop or surface gravels. Deep sandy red massive earths (Red Kandosols); gradational loamy sand to sandy clay loam; no gravels; well drained. Eucalyptus miniata; Eucalyptus tetrodonta and Corymbia nesophila open forest Plateau surfaces; generally flat with slopes <2%; no outcrop or surface gravels. Deep sandy red massive earths (Red Kandosols); gradational loamy sand to sandy clay loam; no gravels; well drained. Eucalyptus miniata: Eucalyptus tetrodonta and Corymbia nesophila open forest. Minor areas with associated Lophostemon lactifluus; Melaleuca spp.; and Banksia dentata in

understorey. 1d component present Plateau surfaces; flat to gently sloping 2-5%; no outcrop or surface gravels. Deep sandy red massive earths (Red Kandosols); gradational loamy sand to sandy clay loam; no gravels; well drained. ucalyptus miniata; Eucalyptus tetrodonta and Corymbia nesophila open forest. Minor areas of Erythrophleum chlorostachys mixed eucalypt open forest

Plateau surfaces most commonly near peripheral slopes; gentle slopes <2%; rare laterite outcrop and 20-50% surface gravels. Moderately deep gravelly red massive earths (Red Kandosols); gradational oamy sand to sandy clay loam; 5-20% gravels thoughout profile; well drained. Eucalyptus miniata; Eucalyptus tetrodonta and Corymbia nesophila with occassional Corymbia bleeseri open forest Plateau surfaces most commonly the peripheral areas; slopes between 2-5%; common laterite outcrop;

50-60% surface gravels. Shallow to moderately deep gravelly red earths (Red Kandosols); gradational loamy sand to gravelly sandy clay loam; 10-30% gravels throughout profile; well drained. Eucalyptus miniata; Eucalyptus tetrodonta and Corymbia nesophila open forest with occassional Corymbia bleeseri or Corymbia foelscheana Plateau surfaces and low lying areas occurring near the heads of drainage systems; slopes <1%;

Lophostemon lactifluus; Melaleuca spp.; and Banksia dentata in understorey

Plateau slopes and scarps; frequent cliffs; slopes >15%; Abundant to massive rock outcrop; 50-80% surface gravels. Very shallow stony red lithosols (Leptic Rudosols); uniform sand to loamy sand with gravels; 10-30% gravels throughout profile; well drained. Corymbia nesophila;

680000mE

680000mE

Plateau footslopes and isolated scarps with occassional cliffs; slopes 10-15%; abundant to massive rock outcrop; 20-80% surface gravels. Shallow gravelly red massive earths and lithosols (Red Kandosols); gradational loamy sand to gravelly light sandy clay loam and uniform sand to loamy

Plateau foot slopes and isolated scarps; slopes <5%; rare laterite outcrop; 10-60% surface gravels. Moderately deep gravelly red massive earths and rare sandy red massive earths (Red Kandosols); radational loamy sand to gravelly sandy clay loam; 5-20% gravels throughout profile; well drained. Eucalyptus miniata; Eucalyptus tetrodonta and Corymbia nesophila open forest Plateau foot slopes and isolated scarps; slopes 5-10%; common laterite outcrop; 20-80% surface

gravels. Shallow to moderately deep gravelly red massive earths and less commonly lithosols.

Red Kandosols) Eucalyptus miniata; Eucalyptus tetradonta; and Corymbia bleeseri open forest

Sloping terrain generally at low levels within the landscape; slopes <4%; very rare rock outcrop; 20-80% surfaces gravels. Shallow to moderately deep gravelly yellow massive earths (Brown Kandosols gradational loamy sand to gravelly sandy clay loam; 5-20% gravels throughout; soils are superficially well drained but are often underlain by a mottled gravel pan which perches water in the subso. Eucalyptus porrecta or Syzygium eucalyptoides ssp. bleeseri tall open shrubland to low woodland

Sloping terrain within sand plain country commonly above drainage area; slopes 2-5%; no rock outcrop or surface gravels. Deep red earthy sands (Red-Orthic Tenosols); uniform sand to loamy sand; no gravels; well to excessively well drained. Syzygium spp. tall shrubland to low woodland

Gently sloping areas below the plateau surface; long colluvial slopes and plains; slopes <2%; no rock outcrop or surface gravels. Deep sandy red massive earths and loamy red massive earths; Red Kandosols) gradational sandy loam or loamy sand to fine sandy clay loam; no gravels; well drained. Eucalyptus miniata open forest

Flat to gently sloping areas below the plateau surface; long colluvial slopes and plains; slopes <2%; o rock outcrop or surface gravels. Deep sandy red massive earths and less commonly loamy red massive earths (Red Kandosols); gradational loamy sand to sandy clay loam; no gravels; well drained. Eucalyptus miniata woodland to open forest

Flat to gently sloping areas below the plateau surface; long colluvial slopes and plains; slopes <2%; no rock outcrop or surface gravels. Deep sandy red massive earths and less commonly loamy red massive earths (Red Kandosols); gradational loamy sand to sandy clay loam; no gravels; well drained. Eucalyptus miniata woodland to open forest or Eucalyptus nesophila; Eucalyptus miniata; Eucalyptus tetrodonta open forest. 3c component present

Gently sloping areas in sand plain country; frequently abutting drainage lines or river/mangrove margins; slopes up to 3%; no rock outcrop or surface gravels. Deep sandy red massive earths and ed earthy sands (Red Kandosols and Red-Orthic Tenosols); gradational sand to sandy clay loam and uniform sand to loamy sand; no gravels; well to excessively well drained. Corymbia nesophila and Eucalyptus miniata woodland to open forest

Flat to gently sloping areas within the sand plain country; slopes <2%; very rare rock outcrop; 20-60% surface gravels. Generally moderately deep gravelly red massive earths (Red Kandosols); gradational oamy sand to gravelly sandy clay loam; 5-20% gravels throughout profile; well drained. Eucalyptus miniata open forest with minor Corymbia nesophila and Eucalyptus porrecta

Flat to sloping terrain with slopes up to 4%; very rare rock outcrop; gravels up to 80%. Shallow to moderately deep gravelly red massive earths (Red Kandosols) with minor deep gravelly yellow massive earths. Eucalyptus miniata with occassional Corymbia nesophila and Eucalyptus porrecta open forest. Minor areas of Eucalyptus porrecta or Syzygium eucalyptoides subsp. bleeseri mixed spp.; low woodland. 4c component present

Taracumbi

FIELD SITE

LOCATIONS

685000mE

PLAINS (continued)

LAND UNIT DESCRIPTIONS

690000mE

690000mF

Gentle lower slopes in sand plain country; slopes <3%; no rock outcrop or surface gravels. Deep sandy mottled yellow massive earths (Yellow Kandosols); gradational loamy sand to sandy clay loam, no gravels, moderately well drained. Banksia dentata and Acacia spp. mixed species

tall shrubland to low woodland with emergent Grevillea pteridifolia and Lophostemon lactifluus Gentle lower slopes in sand plain country; slopes <3%; no rock outcrop or surface gravels. Deep sandy mottled yellow massive earths (Yellow Kandosols); gradational loamy sand to sandy clay loam; no gravels; moderately well drained. Banksia dentata and Acacia spp. mixed species tall shrubland to low woodland. Minor areas of Eucalyptus porrecta or Syzygium eucalyptoides subsp. bleeseri mixed spp.; low woodland. 4c component present

Gentle lower slopes in sand plain country; slopes <3%; no rock outcrop or surface gravels. Deep sandy mottled yellow massive earths (Yellow Kandosols); gradational loamy sand to sandy clay loam; no gravels; moderately well drained. Mixed spp.; tall shrubland. Areas of mixed spp.; low shrubland.

Flat to gently sloping areas within sand plain country; slopes <2%; no rock outcrop or surface gravels. Deep sandy red massive earths (Red Kandosols); gradational loamy sand to sandy clay loam; no gravels; well drained. Corymbia nesophila; Grevillea pteridifolia; Persoonia falcata and Acacia oncinocarpa low shrubland to low open woodland

Gently sloping terrain within sand plain country often above drainage lines and creeks; slopes 2-5%; no rock outcrop or surface gravels. Deep sandy red massive earths (Red Kandosols); gradational loamy sand to sandy clay loam; no gravels; well drained. Corymbia nesophila; Grevillea pteridifolia; Persoonia falcata and Acacia oncinocarpa low shrubland to low open woodland

ALLUVIAL PLAINS

Gently sloping areas within sand plain country; slopes <2%; no rock outcrop or surface gravels. Deep red earthy sands (Red-Orthic Tenosols); uniform sand to loamy sand; no gravels; well to excessively well drained. Corymbia nesophila; Eucalyptus miniata and Eucalyptus

Gently sloping areas within sand plain country; slopes <2%; no rock outcrop or surface gravels. Deep red earthy sands (Red-Orthic Tenosols); uniform sand to loamy sand; no gravels; well to excessively well drained. Eucalyptus tetrodonta woodland

Gently sloping areas within sand plain country; slopes <2%; no rock outcrop or surface gravels. eep red earthy sands (Red-Orthic Tenosols); uniform sand to loamy sand; no gravels; well to xcessively well drained. Eucalyptus tetrodonta woodland. Minor areas of Mixed spp.; low open shrubland to tall shrubland. 5b component present

Gently sloping terrain within sandy plain country; slopes <3%; no rock outcrop or surface gravels. Deep pale yellow sands with a colour B horizon (Yellow-Orthic Tenosols); uniform loamy sand to sandy loam; no gravels; well drained. Banksia dentata and Livistona sp. low shrubland to low

Flat to gently sloping terrain within sand plain country; slopes generally <2% but may be as high as 3%; no rock outcrop or surface gravels. Deep red earthy sands (Red-Orthic Tenosols); uniform sand or loamy sand to loamy sand or sandy loam; no gravels; well to excessively well drained. Acacia spp. Grevillea heliosperma; Calytrix exstipulata and Persoonia falcata low open shrubland to tall shrubland with emergent Eucalyptus porrecta; Buchanania obovata and Syzygium suborbiculare

DRAINAGE SYSTEMS

monsoon forest

eucalyptifolia low closed mangrove forest

Drainage flats associated with springs; creeks and drainage lines; slopes <1%; no rock outcrop or urface gravels; slight debil-debil. Sandy apedal mottled yellow duplex soils (Chromosolic Redoxic Hydrosols); duplex loamy sand to mottled light to medium clay; approx. 5% gravel in deep subsoil; poorly drained. Eulalia mackinlayi; Eriachne burkittii and Ectrosia leporina grassland. Minor tall open shrubland patches of Grevillea pteridifolia and Lophostemon lactifluus

Drainage flats associated with springs; creeks and drainage lines; slopes <1%; no rock outcrop or surface gravels; slight debil-debil. Sandy apedal mottled yellow duplex soils (Chromosolic Redoxic Hydrosols); duplex loamy sand to mottled light to medium clay; approx. 5% gravel in deep subsoil; poorly drained. Eulalia mackinlayi; Eriachne burkittii and Ectrosia leporina grassland. Minor tall open shrubland patches of Grevillea pteridifolia and Lophostemon lactifluus. 7c component present

Drainage flats associated with springs; creeks and drainage lines; slopes <1%; no rock outcrop or surface gravels. Deep pale sands with colour B horizons (Tenosolic Redoxic Hydrosols); uniform organic loamy sand to clayey sand; no gravels; imperfectly drained. Grevillea pteridifolia; Livistona humilis mixed spp.; open scrub to tall shrubland Gully areas associated with major creeks; springs and drainage lines; slopes variable; usually <5%; ometimes >15%; comon rock outcrop; no surface gravels. Sandy organic soils with little profile

development (Tenosolic Redoxic Hydrosols); uniform; no gravels; well drained. Bombax ceiba;

Albizia procera; Terminaila microcarpa; Ficus virens; Acacia auriculiformis mixed spp.; tall closed

Creek margins and rugged often eroded areas associated with drainage systems. Vegetation has not

Vegetation description

Tidally inundated coastal and river margin areas. Unconsolidated saline mud. Camptostemon schultzii; Bruguiera gymnorhiza; Lumnitzera racemosa; Rhizophora stylosa and Avicennia marina ssp.

WATER

700000mE

Example of Land Unit Descriptions Landform description — Soil description 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)

A site inspection should always accompany mapping for specific areas.

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 1:50 000. Enlarging this map beyond this scale will not provide further detail.

BIBLIOGRAPHIC REFERENCE:

Wells, M.R. and VanCuylenburg, H.R. (1978) LAND UNITS OF AREAS ADJACENT TO THE TUYU AND YAPILIKA FORESTRY PLANTATIONS, MELVILLE ISLAND, NT (1978). REPORT NUMBER LC 78/9

> Northern Territory. TECHNICAL REFERENCES:

Land Conservation Unit, Territory Parks and Wildlife Commission,

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

National Committee on Soil and Terrain (2009) AUSTRALIAN SOIL AND LAND SURVEY FIELD HANDBOOK 3rd Edition. Melbourne, CSIRO Publishing.

Northcote K.H. (1971) A FACTUAL KEY FOR THE RECOGNITION OF AUSTRALIAN SOILS 3rd Edition. Rellim Publications, Glenside, SA.

Stace H.C.T., Hubble G.D., Brewer R., Nortcote K.H., Sleeman J.R., Mulcahy M.J. and Hallsworth E.G. (1968). A HANDBOOK OF AUSTRALIAN SOILS Rellim Technical Publications, Glenside, SA.

For further information contact:

Manager, Land Assessment, Rangelands Division, Department of Land Resource Management Ph. (08) 8999 3606, Fax. (08) 8999 3666 Goyder Centre, Chung Wah Terrace, Palmerston, Northern Territory of Australia.

Cartography by R. Lim, December 2013 Spatial Data and Mapping, Water Resources Division, Dept of Land Resource Management Northern Territory of Australia

File Reference: Tuyu-Yapilika-Melville-Is Land-Resources 50k

© Northern Territory of Australia

This product and all material forming part of it is copyright belonging to the Northern Territory of Australia. You may use this material for your personal, non-commercial use or use it within your organisation for non-commercial purposes, provided that an appropriate acknowledgement is made and the material is not altered in any way. Subject to the fair dealing provisions of the Copyright Act 1968, you must not make any other use of this product (including copying or reproducing it or part of it in any way) unless you have the written permission of the Northern Territory of Australia to do so.

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.



LAND RESOURCES of TUYU and YAPILIKA **FORESTRY PLANTATIONS**





