



Soil and Land Suitability Assessment for Irrigated Agriculture

Map 1 of 2

LAND RESOURCES of **KURNTURLPARA** and part of WARUMUNGU **ABORIGINAL LAND TRUSTS**

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Web: http://nrmaps.nt.gov.au Map Reference: Kurnturlpara-Warumungu-ALT Land-Resources Map-1

LAND UNIT DESCRIPTIONS

PLAINS

8P2

- Level plain with many ferruginous gravels on surface. Moderately deep, red, loam, 8P1 containing ferruginous fragments. Aristida contorta, Dactyloctenium radulans and Sporobolus australasicus low open tussock grassland
 - Level to gently undulating plain with termitaria microrelief. Shallow, brown, loam grading to clay loam. Aristida inaequiglumis and Eriachne obtusa tall open tussock grassland with Corymbia aparrerinja isolated clumps of trees
- Level plain with loose surface conditions. Deep, sand grading to red, massive, sandy loam. Aristida holathera, Aristida inaequiglumis and Chrysopogon fallax mid tussock grassland 8P3
- Level plain with termitaria microrelief. Moderately deep, loamy sand grading to red, massive, 8P4 clay loam. Aristida hygrometrica, Chrysopogon fallax and Aristida holathera mid tussock
- Level plain. Shallow, brown, loamy sand grading to sandy loam. Eucalyptus victrix low open 8P5
- Level plains and low rises of quartz and limestone outcrops. Shallow, sandy loam, 8P6 containing many quartz and calcrete fragments. Eriachne obtusa, Aristida holathera and Enneapogon purpurescens mid tussock grassland
- Level to gently undulating plain. Moderately deep, red, loamy sand grading to clay loam. 8P7 Corymbia terminalis, Hakea arborescens and Ventilago viminalis low open woodland
- Level plain with termitaria microrelief. Deep, red, sandy loam grading to clay loam. 8P8 Corymbia terminalis and Eucalyptus victrix low open woodland
- Level plain with termitaria microrelief. Deep, loamy sand grading to red, massive, clay loam. 8P9 Triodia schinzii and Paraneurachne muelleri tall hummock grassland

DRAINAGE SYSTEMS

- Level plain, broad alluvial plain, with gilgai microrelief. Very deep, cracking, grey, clay. 10A1 Astrebla elymoides, Iseilema vaginiflorum and Polymeria longifolia mid tussock grassland
- Drainage channel. Moderately deep, brown, massive, sand. Eucalyptus victrix, Atalaya 10D1

hemiglauca and Acacia elachantha low open woodland

INLAND WETLANDS

- Closed drainage depression, with gilgai microrelief, subject to temporary inundation. Very 13S1 deep, cracking, grey, mottled, clay. Eulalia aurea tall tussock grassland
- Margin areas of drainage depression, with gilgai microrelief. Moderately deep, cracking, grey, clay. Aristida latifolia, Eulalia aurea and Iseilema vaginiflorum mid tussock grassland
- 13S2 Level plain, with many surface gravels. Very shallow, clay loam. Aristida contorta, Aristida
- 13S3 holathera and Fimbristylis dichotoma low tussock grassland

DOWNS PLAINS

14G2

- Level plain with gilgai microrelief. Very deep, cracking, grey, clay, gypsum and sodic at 14G1 depth. Astrebla pectinata, Aristida latifolia mid open tussock grassland
 - Level plain with no gilgai microrelief. Very deep, imperfectly drained, cracking, grey, clay. Iseilema vaginiflorum, Fimbristylis dichotoma and Chloris pectinata low open tussock grassland

Example of Land Unit Descriptions Landform description - Soil description PLÁINS Level plain with termitaria microrelief. Deep, loamy sand grading to red, massive clay loam. Triodia schinzii and Paraneurachne muelleri tall hummock grassland Land unit Vegetation description

Map unit boundaries were derived using satellite imagery in association with digital elevation model, geological and topographic data. Landform, soil and vegetation field assessments conform to national standards and support mapping at a scale of 1:50 000. When assessing specific areas within the mapping it is recommended a site inspection be undertaken to establish unmapped variation and confirm mapping accuracy on the ground.

BIBLIOGRAPHIC REFERENCE:

Grealish G, Carnavas M, and Burley P. SOIL and LAND CAPABILITY ASSESSMENT for IRRIGATED AGRICULTURE on KURNTURLPARA and part of WARUMUNGU ABORIGINAL LAND TRUSTS Northern Territory July 2016 DLRM Technical Report 9/2016D

Land Assessment Branch, Rangelands Division, Department of Land Resource Management, Palmerston, Northern Territory.

TECHNICAL REFERENCES:

National Committee on Soil and Terrain (2009) AUSTRALIAN SOIL AND LAND SYURVEY FIELD HANDBOOK. 3rd Edition.

Canberra, Australian Collaborative Land Evaluation Program. CSIRO Publishing, Melbourne.

Isbell, RF (2002). THE AUSTRALIAN SOIL CLASSIFICATION. CSIRO Publishing, Melbourne. Executive Steering Committee for Australian Vegetation Information (ESCAVI) (2003).

AUSTRALIAN VEGETATION ATTRIBUTE MANUAL NATIONAL VEGETATION INFORMATION SYSTEM, VERSION 6.

Department of Environment and Heritage, Canberra.

Мар	Map Title
1	LAND RESOURCES of KURNTURLPARA and part of WARUMUNGU ABORIGINAL LAND TRUSTS

GENERAL LAND CAPABILITY of KURNTURLPARA and part of WARUMUNGU

GENERAL FEATURES			
Property boundary	▲ Kurntapurra	Family Outstation	
Highway		Drainage line	
Local road / track	216	Spot height (m AHD)	

MAP LOCALITY

1:100 000 MAP SHEET INDEX KATHERINE ROCKHAMPTON BRUNETTE MUNKADERRY DOWNS 5860 NORTHERN PLAYFORD BARKLY FREWENA TENNANT CREEK TERRITORY DALMORE GOSSE RIVER ALICE SPRINGS • 5858 5958 6058