

LAND UNIT DESCRIPTIONS

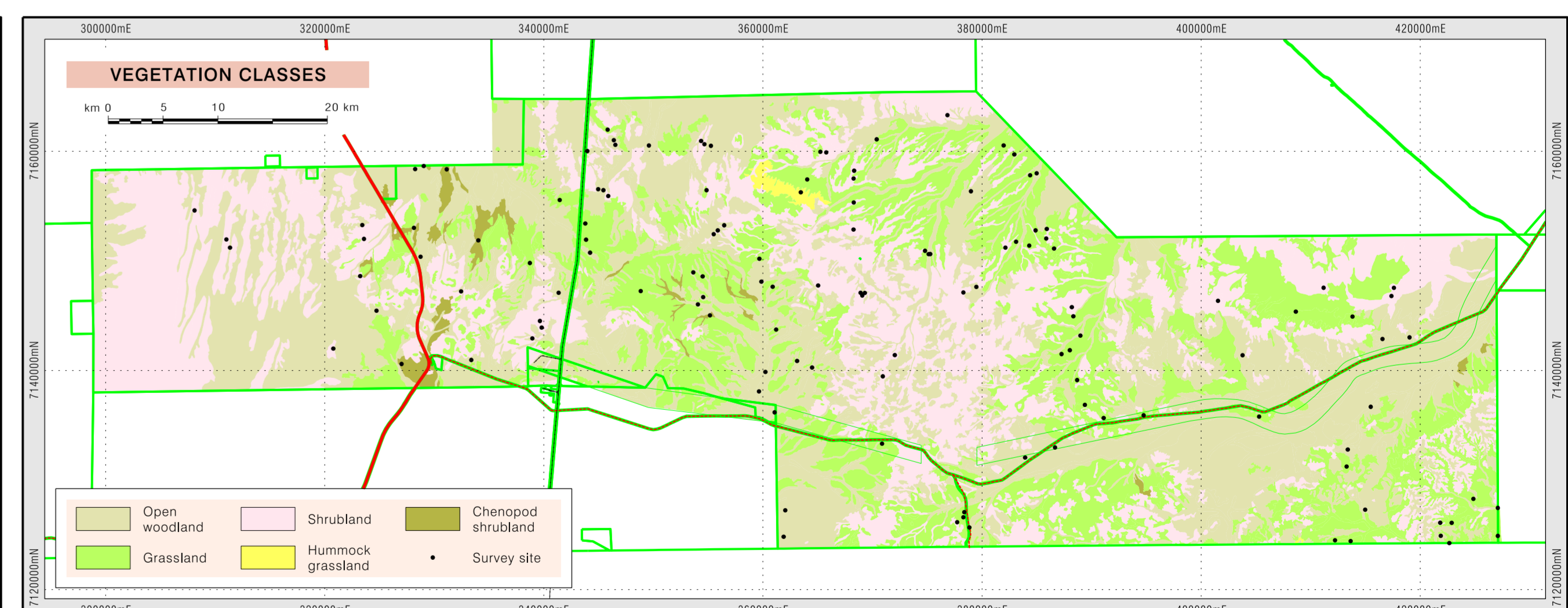
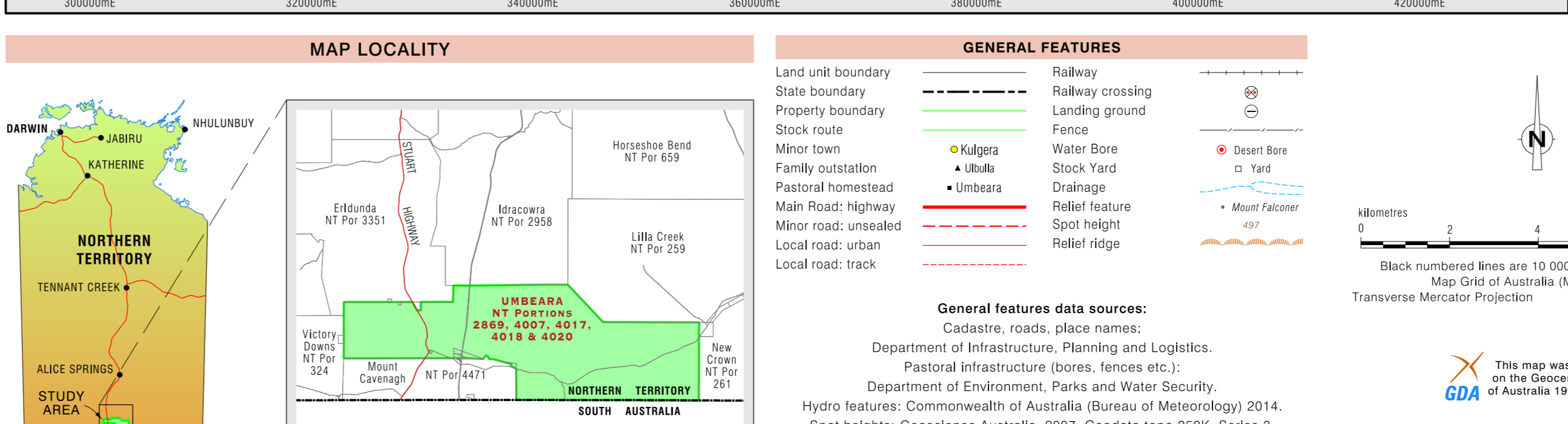
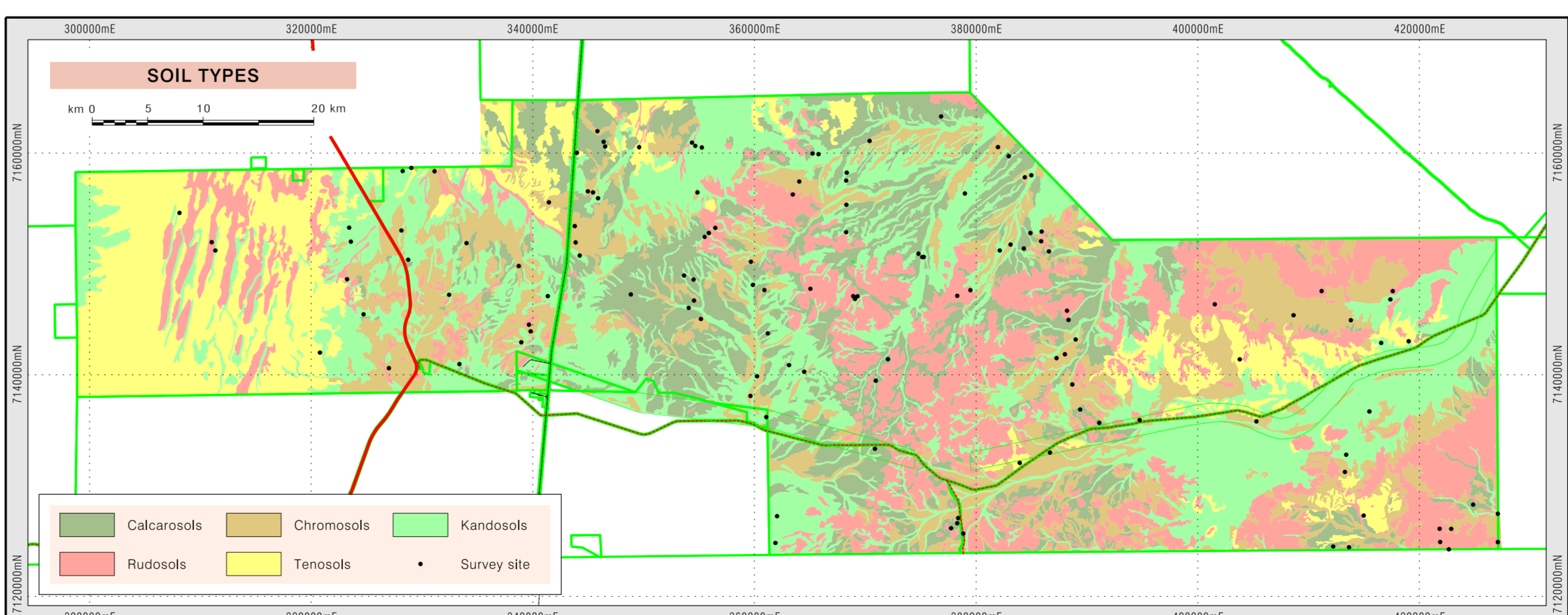
PLATEAUX	1.7 Plateaux. Lithosols (Leptic Rudosols). <i>Acacia aneura</i> low open woodland over <i>Arctostichia contorta</i> grassland.
HILLS	1.6 Massif. Lithosols (Leptic Rudosols). <i>Senna artemisioides</i> subsp. <i>sturtii</i> and <i>Eremophila freebergii</i> tall sparse shrubland over <i>Arctostichia contorta</i> and <i>Enneapogon polyphyllus</i> grassland.
LOW HILLS	1.1 Low, rocky, grass hills. Lithosols (Leptic Rudosols). <i>Acacia kempiana</i> tall sparse shrubland over <i>Enneapogon polyphyllus</i> , <i>Arctostichia contorta</i> and <i>Digitaria brownii</i> sparse grassland. 1.2 Low, rocky, granite hills. Lithosols (Leptic Rudosols). <i>Digitaria brownii</i> and <i>Arctostichia</i> sp., mid high open grassland. 1.3 Undulating, low dolomite hills. Lithosols (Leptic Rudosols). <i>Senna artemisioides</i> subsp. <i>heilmsii</i> tall sparse shrubland over <i>Enneapogon cylindricus</i> grassland. 1.4 Rolling, low hills. Lithosols (Leptic Rudosols). <i>Triodia intans</i> tall hummock grassland.
RISES	1.5 Undulating low hills. Red calcareous soils (Supracalcic Calcarosols). <i>Acacia kempiana</i> with <i>Acacia aneura</i> low open woodland over <i>Enneapogon cylindricus</i> and <i>Enneapogon polyphyllus</i> grassland. 1.8 Undulating rises. Lithosols (Leptic Rudosols). <i>Enneapogon cylindricus</i> and <i>Enneapogon polyphyllus</i> mid high open grassland.
LOW RISES	1.9 Low rises and breakaways. Lithosols (Leptic Rudosols). <i>Eremophila freebergii</i> , <i>Senna artemisioides</i> subsp. <i>heilmsii</i> over <i>Maireana georgii</i> and <i>Digitaria brownii</i> sparse grassland.
PLAINS	2.1 Pediments adjacent to grass hills. Lithosols (Leptic Rudosols). <i>Acacia kempiana</i> and <i>Acacia tetragynophylla</i> low open woodland over <i>Enneapogon polyphyllus</i> grassland. 2.2 Plains formed on granite. Red earths (Red Kandosols). <i>Eremophila freebergii</i> , <i>Senna artemisioides</i> subsp. <i>sturtii</i> tall sparse shrubland over <i>Arctostichia contorta</i> and <i>Enneapogon polyphyllus</i> grassland. 2.3 Undulating plains. Calcareous. Red earths (Supracalcic Calcarosols). <i>Eremophila neglecta</i> with <i>Acacia kempiana</i> tall sparse shrubland over <i>Enneapogon cylindricus</i> grassland. 2.4 Pediments formed on granite. Red earths (Red Chromosols). <i>Acacia kempiana</i> tall sparse shrubland over <i>Enneapogon cylindricus</i> grassland. 2.5 Level plains. Red earths (Red Kandosols). <i>Acacia aneura</i> low open woodland over <i>Chrysocotylum pterochaetum</i> herbland. 2.6 Gently undulating plains. Calcareous red earths (Chromosols). <i>Enneapogon cylindricus</i> and <i>Acacia aneura</i> low open woodland over <i>Enneapogon polyphyllus</i> grassland. 2.7 Gently undulating plains. Calcareous red earths (Hypocalcic Calcarosols). <i>Arctostichia contorta</i> and <i>Enneapogon cylindricus</i> mid high grassland. 2.8 Level plains. Red clays (Red Orthic Tenosols). <i>Acacia aneura</i> low open woodland over <i>Enneapogon cylindricus</i> grassland with patches of <i>Maireana georgii</i> and <i>Digitaria brownii</i> throughout. 2.9 Calcareous level plains. Red calcareous soils (Supracalcic Calcarosols). <i>Enneapogon cylindricus</i> and <i>Enneapogon polyphyllus</i> mid high grassland. 2.10 Gently undulating plains. Red calcareous soils (Lithocalcic Calcarosols). <i>Acacia calcicola</i> low open woodland over <i>Enneapogon cylindricus</i> grassland with <i>Sclerolaena diacantha</i> .

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PLAINS CONTINUES...	2.11 Level plains. Calcareous red earths (Kandosols). <i>Acacia aneura</i> with <i>Acacia kempiana</i> and <i>Acacia calcicola</i> low open woodland over <i>Enneapogon cylindricus</i> grassland. 2.12 Gently sloping plains. Red earths (Red Chromosols). <i>Enneapogon cylindricus</i> mid high grassland. 2.13 Gently undulating plains. Red earths (Red Chromosols). <i>Enneapogon cylindricus</i> and <i>Sclerolaena diacantha</i> mid high grassland. 2.14 Gently undulating plains. Calcareous red earths (Calcic Calcarosols). <i>Enneapogon cylindricus</i> and <i>Arctostichia contorta</i> mid high grassland. 3.1 Level plains. Red earths (Red Kandosols). <i>Acacia aneura</i> mid high open woodland (grows) over <i>Arctostichia contorta</i> and <i>Sclerolaena diacantha</i> mid high grassland. 3.2 Undulating plains. Red calcareous soils (Calcic Calcarosols). <i>Enneapogon cylindricus</i> , <i>Enneapogon polyphyllus</i> and <i>Sclerolaena diacantha</i> mid high grassland. 3.3 Gently sloping plains. Red earths (Red Chromosols). <i>Enneapogon polyphyllus</i> and <i>Arctostichia contorta</i> mid high grassland. 3.4 Plains. Red earths (Red Chromosols). <i>Atriplex vesicaria</i> and <i>Brachycome ciliata</i> mixed ssp. low chenopod shrubland. 3.5 Level plains. Red-brown earths (Red Chromosols). <i>Enneapogon polyphyllus</i> and <i>Arctostichia contorta</i> low grassland. 4.2 Gently sloping plains. Red earths (Red Chromosols). <i>Enneapogon polyphyllus</i> , <i>Fimbristylis dichotoma</i> , <i>Digitaria brownii</i> and <i>Arctostichia contorta</i> mid high grassland. 4.3 Level plains. Red earths (Red Kandosols). <i>Acacia aneura</i> low open woodland over <i>Eragrostis eriopoda</i> , <i>Monachather paradoxus</i> and <i>Thyridopsis mitchelliana</i> grassland. 4.4 Level plains. Red earths (Red Kandosols). <i>Acacia aneura</i> and <i>Acacia calcicola</i> low open woodland over <i>Enneapogon polyphyllus</i> grassland with <i>Atriplex vesicaria</i> and <i>Chrysocotylum pterochaetum</i> . 4.5 Level plains. Red calcareous soils (Supracalcic Calcarosols). <i>Acacia calcicola</i> low open woodland over <i>Enneapogon cylindricus</i> grassland. 4.6 Level plains. Red earths (Red Orthic Tenosols). <i>Acacia calcicola</i> and <i>Acacia aneura</i> very tall sparse shrubland over <i>Enneapogon polyphyllus</i> grassland. 4.7 Gently undulating plains. Red calcareous soils (Supracalcic Calcarosols). <i>Acacia kempiana</i> tall sparse shrubland over <i>Enneapogon cylindricus</i> grassland. 4.8 Undulating plains. Red calcareous soils (Chromosols). <i>Enneapogon cylindricus</i> with <i>Maireana astricta</i> mid high grassland. 4.9 Level plains. Red earths (Red Kandosols). <i>Acacia aneura</i> and <i>Acacia kempiana</i> low open woodland over <i>Arctostichia contorta</i> grassland. 4.10 Sandy plains. Red earths (Red Orthic Tenosols). <i>Acacia aneura</i> very tall sparse shrubland (grows) over <i>Eragrostis eriopoda</i> , <i>Chrysocotylum pterochaetum</i> and <i>Thyridopsis mitchelliana</i> grassland. 5.1 Level plains. Red earths (Red Kandosols). <i>Acacia aneura</i> mid high open woodland over <i>Enneapogon polyphyllus</i> and <i>Enneapogon cylindricus</i> grassland. 5.2 Gently undulating floodplains. Red earths (Red Kandosols). <i>Grevillea sturtii</i> with <i>Acacia aneura</i> low open woodland on floodplains <i>Eucalyptus camaldulensis</i> tall woodland on creek banks and sandy islands.
ALLUVIAL PLAINS	5.1 Level plains. Red earths (Red Kandosols). <i>Acacia aneura</i> mid high open woodland over <i>Enneapogon polyphyllus</i> and <i>Enneapogon cylindricus</i> grassland. 5.2 Gently undulating floodplains. Red earths (Red Kandosols). <i>Grevillea sturtii</i> with <i>Acacia aneura</i> low open woodland on floodplains <i>Eucalyptus camaldulensis</i> tall woodland on creek banks and sandy islands.

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ALLUVIAL PLAINS CONTINUES...	5.3 Minor creek lines and alluvial plains. Red earths (Red Kandosols). <i>Acacia victoriae</i> tall sparse shrubland over <i>Arctostichia holathera</i> , <i>Enneapogon cylindricus</i> and <i>Chrysocotylum pterochaetum</i> grassland. 5.4 Floodplains and broad sandy channels. Red earths (Red Kandosols). <i>Acacia aneura</i> mid high open woodland over <i>Enneapogon polyphyllus</i> grassland on the floodplains. <i>Eucalyptus coolibah</i> subsp. <i>andae</i> open woodland over <i>Eucalyptus aurea</i> closed grassland along stream banks. 5.5 Narrow drainage floors. Alluvial soils (Red Kandosols). <i>Acacia aneura</i> with <i>Hakea subsericea</i> mid high open woodland over <i>Enneapogon polyphyllus</i> , <i>Phragmites spicatus</i> , <i>Enneapogon cylindricus</i> and <i>Arctostichia contorta</i> grassland. 6.1 Sand plains. Siliceous sands (Arenic Rudosols). <i>Grevillea juncea</i> and <i>Acacia aneura</i> very tall sparse shrubland over <i>Triodia borealis</i> hummock grassland. 6.2 Sand plains. Red sands (Red-Orthic Tenosols). <i>Acacia aneura</i> low open woodland over <i>Eragrostis eriopoda</i> and <i>Monachather paradoxus</i> grassland. 6.4 DUNE FIELDS 6.2 Dune fields. Siliceous sands (Arenic Rudosols). <i>Acacia ligulata</i> tall sparse shrubland over <i>Triodia borealis</i> hummock grassland. 6.3 Longitudinal dunes. Siliceous (Arenic Rudosols). <i>Acacia kempiana</i> tall sparse shrubland over <i>Eragrostis eriopoda</i> open grassland. DRAINAGE SYSTEMS 5.6 Broad drainage floors. Red earths (Red Kandosols). <i>Acacia estrophiata</i> and <i>Acacia aneura</i> low open woodland over <i>Enneapogon polyphyllus</i> grassland. 5.7 Broad drainage floors. Red earths (Red Kandosols). <i>Acacia aneura</i> low open woodland over <i>Digitaria brownii</i> and <i>Arctostichia contorta</i> grassland. 5.8 Broad drainage floors. Alluvial soils (Stratic Rudosols). <i>Acacia aneura</i> mid high open woodland over <i>Enneapogon aciculatus</i> grassland. 5.9 Broad drainage floors and alluvial stream channels. Red earths (Red Kandosols). <i>Maireana aphylla</i> mid high sparse chenopod shrubland over <i>Arctostichia contorta</i> and <i>Brachycome ciliata</i> grassland. 5.10 Broad drainage floors with anastomosing stream channels. Red earths (Red Chromosols). <i>Atriplex vesicaria</i> , <i>Triopogon loliformis</i> and <i>Enneapogon cylindricus</i> low grassland. 5.11 Broad drainage floors. Red earths (Red Kandosols). <i>Acacia aneura</i> very tall sparse shrubland over <i>Monachather paradoxus</i> sparse grassland. 5.12 Narrow drainage lines. Red earths (Red Kandosols). <i>Acacia aneura</i> low open woodland over <i>Fimbristylis dichotoma</i> , <i>Digitaria brownii</i> and <i>Eragrostis eriopoda</i> grassland.
Example of Land Unit Descriptions	Landform: Landform description: Soil description: Vegetation description: Land unit



Map Disclaimer: 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.

Cartography by: Deborah Mullin - Geospatial Services, Department of Environment, Parks and Water Security, Northern Territory of Australia.

Map Reference: Map_Umbeera-Station_LandRes_100k_m33, Drawing Number: DEPWS 2021 003, September 2021

Biographic Reference: Kenned, A. J. and Bazzaz, S. L. (2002) The Land Resources of Umbeera Station. Natural Systems Division, Department of Infrastructure, Planning and Environment, Alice Springs, Northern Territory. Web: <https://maps.nt.gov.au>

Technical Reference: 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. Whaka Press, Melbourne.

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General features data sources: Cadastre, roads, place names, Department of Infrastructure, Planning and Logistics, Pastoral Infrastructure (Bones, fences etc.), Department of Environment, Parks and Water Security, Hydro features: Commonwealth of Australia (Bureau of Meteorology) 2014, Spot Heights: Geoscience Australia, 2007, Geodetic top 250K, Series 3.

Map Scale: 1:100,000

Map Projection: Transverse Mercator Projection

Map Datum: GDA 84

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