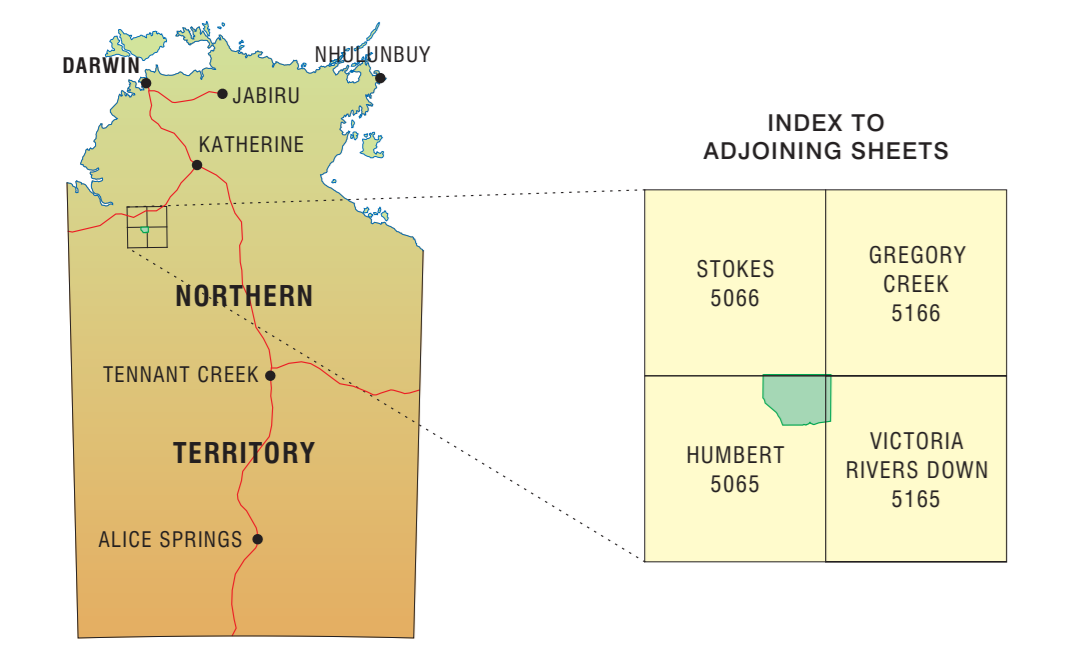
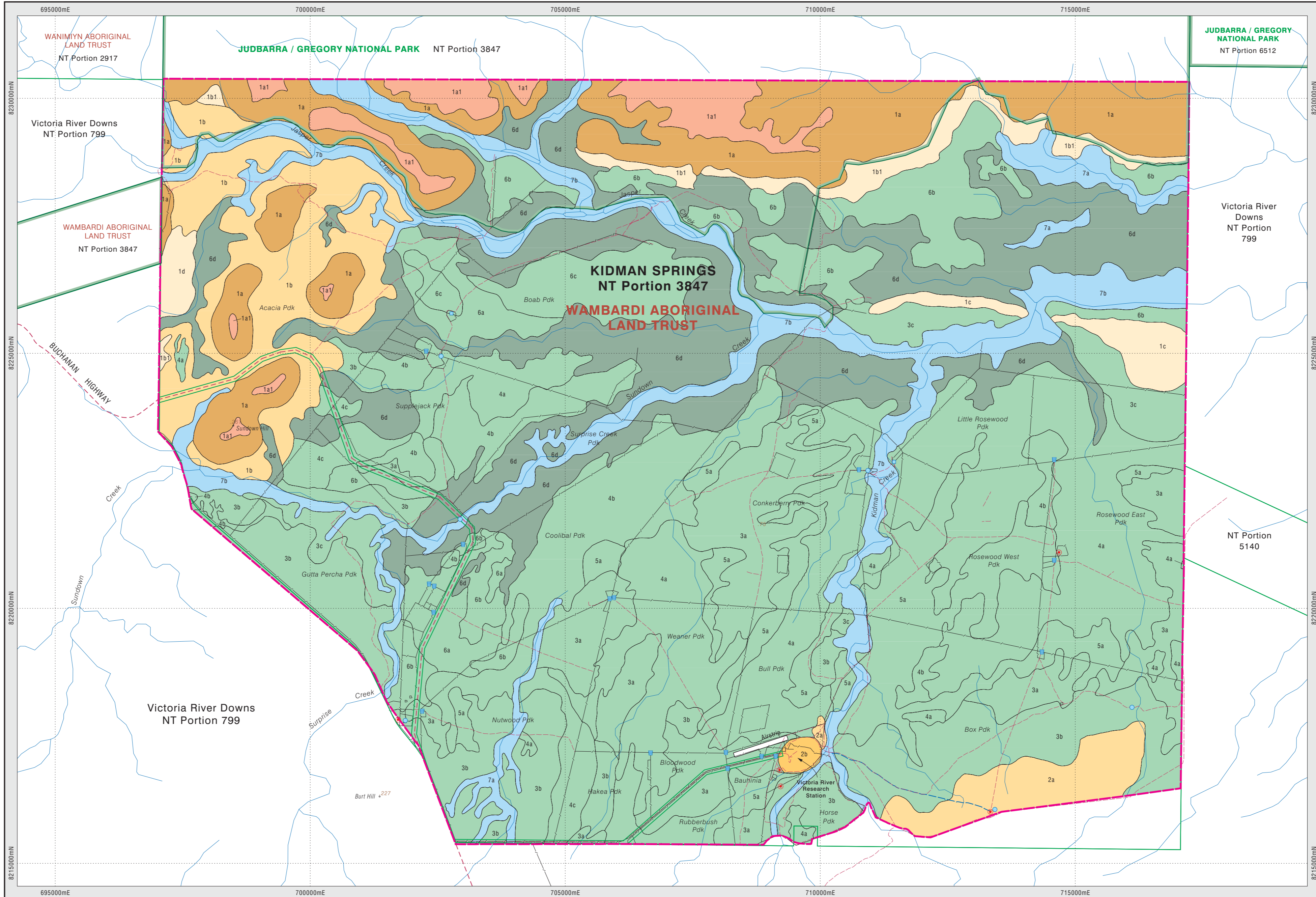


MAP LOCALITY & 1:100 000 MAP SHEET INDEX



GENERAL FEATURES

Extent of mapping	-----
Land unit boundary	-----
Property boundary	-----
Park boundary	-----
Water Bore	●
Fence	-----
Dam	■
Turket nest	●
Trough	■
Water pipeline	-----
Drainage line	-----
Relief feature, named	● Sundown Hill
Spot height	227
Paddock name	Acacia Pdk
Local road / track	-----
Minor road unsealed	-----



LAND UNIT DESCRIPTIONS

PLATEAUX

1a1 Remnants of level plateau surface occurring within Unit 1a. Undescribed. The vegetation has not been described.

LOW HILLS

2b Low basalt hill, boulder-strewn. Stony and skeletal soils (Rudolsols). Open woodland (undescribed) with *Sehima* sp., *Sorghum* sp., mixed spp. grass understorey.

HILLS

1a Rugged stony country on sedimentary rocks with slopes greater than 40%; boulder-strewn slopes and rocky crests. Shallow, skeletal soils with stones and rocks on the surface (Rudolsols). *Eucalyptus brevifolia* low open woodland with *Triodia* sp. hummock grasses.

RISES

1b Slopes up to the sandstone scarps; distinctly undulating with rock and boulder-strewn slopes up to 40%. Skeletal, stony soils (Rudolsols). *Eucalyptus brevifolia* and *Eucalyptus pruinosa* open woodland with *Triodia* sp. and *Aristida hygrometrica* grass understorey.

2a Rugged to undulating terrain on limestone; boulder-strewn slopes 15-40% with rocky crests. Shallow, skeletal soils (Calcarosols) with small pockets of Calcareous red earths (Dermosols) over limestone. *Eucalyptus pruinosa*, *Corymbia terminalis* and *Eucalyptus chlorophylla* low open woodland on the slopes; *Eucalyptus brevifolia* low open woodland on the crests. *Enneapogon* sp., mixed spp. variable grass understorey.

LOW RISES

1b1 Gently sloping, scalded footslopes of the major scarp; slopes less than 5%; minor gullying and scattered rock outcrop. Severely eroded, shallow, sandy soils (Tenosols). Largely bare, some *Brachyachne* sp. and *Aristida* sp. grasses with isolated trees.

1c Coarse sandstone boulder-strewn low rises; slopes 5-15%. Skeletal, sandy soils (Rudolsols). *Corymbia ferruginea*, *Terminalia platytera* and *Bauhinia cunninghamii* low woodland with *Aristida hygrometrica*, *Eriachne* spp. and *Chrysopogon fallax* grass understorey.

1d Gently sloping (<5%) gullied footslopes of sandstone scarps. Sandy textured Yellow earths, with increasing ferruginised sandstone nodules below 60cm (Kandosols). *Acacia* spp. and *Melaleuca* spp. open scrub with *Sorghum* sp. and *Triodia* sp. grass understorey. Isolated *Eucalyptus grandifolia*.

PLAINS

3a Extensive flat plains with relief up to 1.5m; generally slightly elevated above the cracking clay plains. Calcareous red earths (Dermosols) with a loamy texture and generally 30-60cm deep overlying skeletal limestone, minor inclusions of cracking clay (Vertosols). *Eucalyptus pruinosa* and *Corymbia terminalis* open woodland over *Enneapogon* sp. grass understorey with occasional perennials.

3b Gently undulating plains and low stony rises. Shallow or stony Calcareous red earths (Dermosols) with predominantly sandstone, chert and quartz stones and occasional limestone outcrop; minor inclusions of cracking clay (Vertosols). *Brachyachne* sp. and *Aristida latifolia* grassland with isolated *Eucalyptus pruinosa*. Large scalded areas (up to 40%) which are completely bare.

3c Gently undulating plains normally associated with creeks; intense drainage pattern of active gullies. Severely eroded Calcareous red earths (Dermosols). Largely bare. A few colonising grass species including *Aristida latifolia*, *Brachyachne* sp. and *Enneapogon* sp. Severe scalding, sheetwash and gullying.

4a Gently undulating to flat plains, generally lower than Unit 3a. Grey, brown and red clays (Vertosols); severe gilgais and numerous surface cracks up to 5cm wide. *Chrysopogon fallax*, *Iseliema* sp., *Aristida* sp., *Dichanthium* sp. and *Heteropogon contortus* mixed spp. variable grassland, with *Eucalyptus microtheca* along incised gullies and isolated *Bauhinia* sp. and *Terminalia arthrostrata* near the unit boundary.

4b Gently undulating to flat plains, slightly elevated above Unit 4a. Grey, brown and red clays (Vertosols); severe gilgais and numerous surface cracks up to 5cm wide. *Bauhinia* sp., *Terminalia arthrostrata*, *Terminalia volucria* open woodland with a *Chrysopogon fallax*, *Dichanthium* sp., *Iseliema* sp. and *Aristida latifolia* grass understorey.

4c Gently undulating plains extending to lower slopes of sandstone scarps. Grey, brown and red clays (Vertosols) with 80% sandstone rocks and stones on surface, severe gilgais and surface cracks; up to 30% surface scald. *Chrysopogon fallax*, *Aristida latifolia*, *Iseliema* sp. and *Brachyachne* sp. mixed spp. variable grassland OR *Bauhinia* sp., *Corymbia terminalis* and *Eucalyptus pruinosa* open woodland over the above grasses.

5a Gently undulating to flat plains, occurring as the fringe units between the loamy red plains and the cracking clay plains. Mixed areas of Calcareous red earths (Dermosols) and Grey, brown and red clays (Vertosols). The Vertosols often occur as isolated, gilgaid depressions within the continuous areas of Dermosols. *Eucalyptus pruinosa*, *Corymbia terminalis* and *Eucalyptus tectifica* open woodland on the Calcareous OR *Bauhinia* sp., *Terminalia arthrostrata* and *T. volucria* open woodland on the Vertosols, both with mixed spp. grass understorey.

6a Gently undulating to flat plains. Deep red earths (Kandosols) with firm surface horizons of fine sandy loam. *Eucalyptus terminalis*, *Eucalyptus pruinosa*, *Eucalyptus grandifolia* and *Eucalyptus confertiflora* mixed spp. woodland with mixed spp. grass understorey.

6b Gently undulating to flat plains. Deep red earths (Kandosols) with soft surface horizons of loamy sands. *Eucalyptus terminalis*, *Eucalyptus tectifica* and *Corymbia polycarpa* mixed spp. open woodland with *Aristida holathera* and *Aristida pruinosa* mixed spp. grass understorey.

6c Gently undulating to flat plains. Deep yellow earths (Kandosols) with a loamy texture; numerous yellow-brown anihils. *Eucalyptus pruinosa*, *Eucalyptus tectifica*, *Corymbia confertiflora* and *Corymbia polycarpa* mixed spp. open woodland with *Brachyachne* sp., *Fanum* sp., *Themeda* sp. and *Chrysopogon fallax* mixed spp. grass understorey.

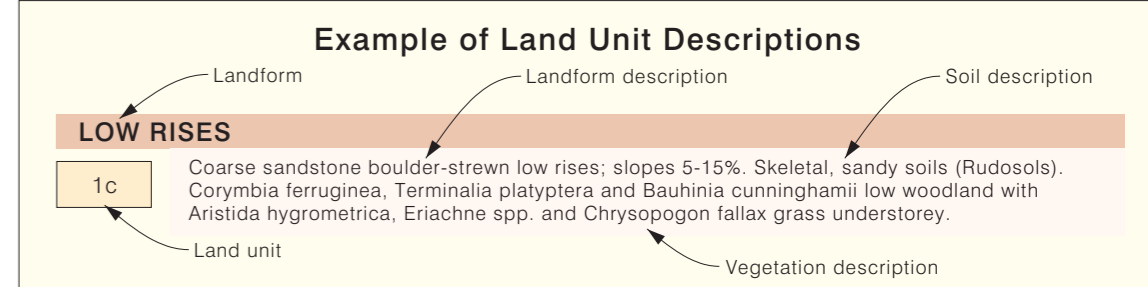
ALLUVIAL PLAINS

6d Gently undulating to flat plains associated with creeks; intense drainage pattern of active gullies. Severely eroded Red earths and loamy Yellow earths (Kandosols); often complete loss of topsoil. Largely bare with small remnant clumps of the original vegetation, similar to that found in 6a, 6b and 6c.

DRAINAGE SYSTEMS

7a Drainage lines, shallow, sometimes incised. There is a variety of soils due to their depositional origin (Hydrosols). Mixed woodland with prominent shrub layer.

7b Severely eroded and deeply incised creeks, including gullied frontages. Considerable sand and silt loads in the creek beds (Hydrosols). *Eucalyptus camaldulensis*, *Terminalia platyphylia* and *Corymbia polycarpa* woodland along the creeks.



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

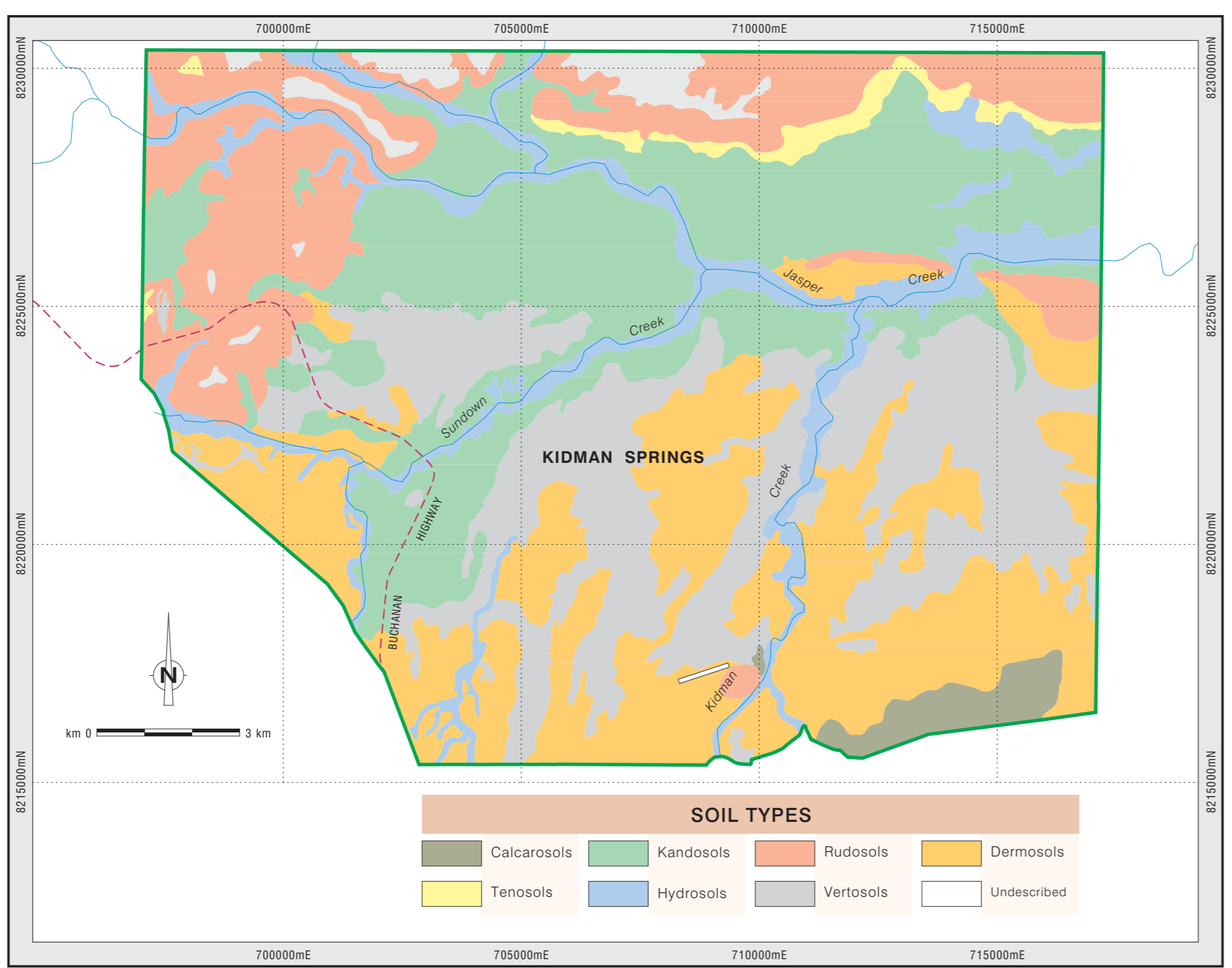
Cartography by
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Department of Land Resource Management,
Northern Territory of Australia, February 2015.

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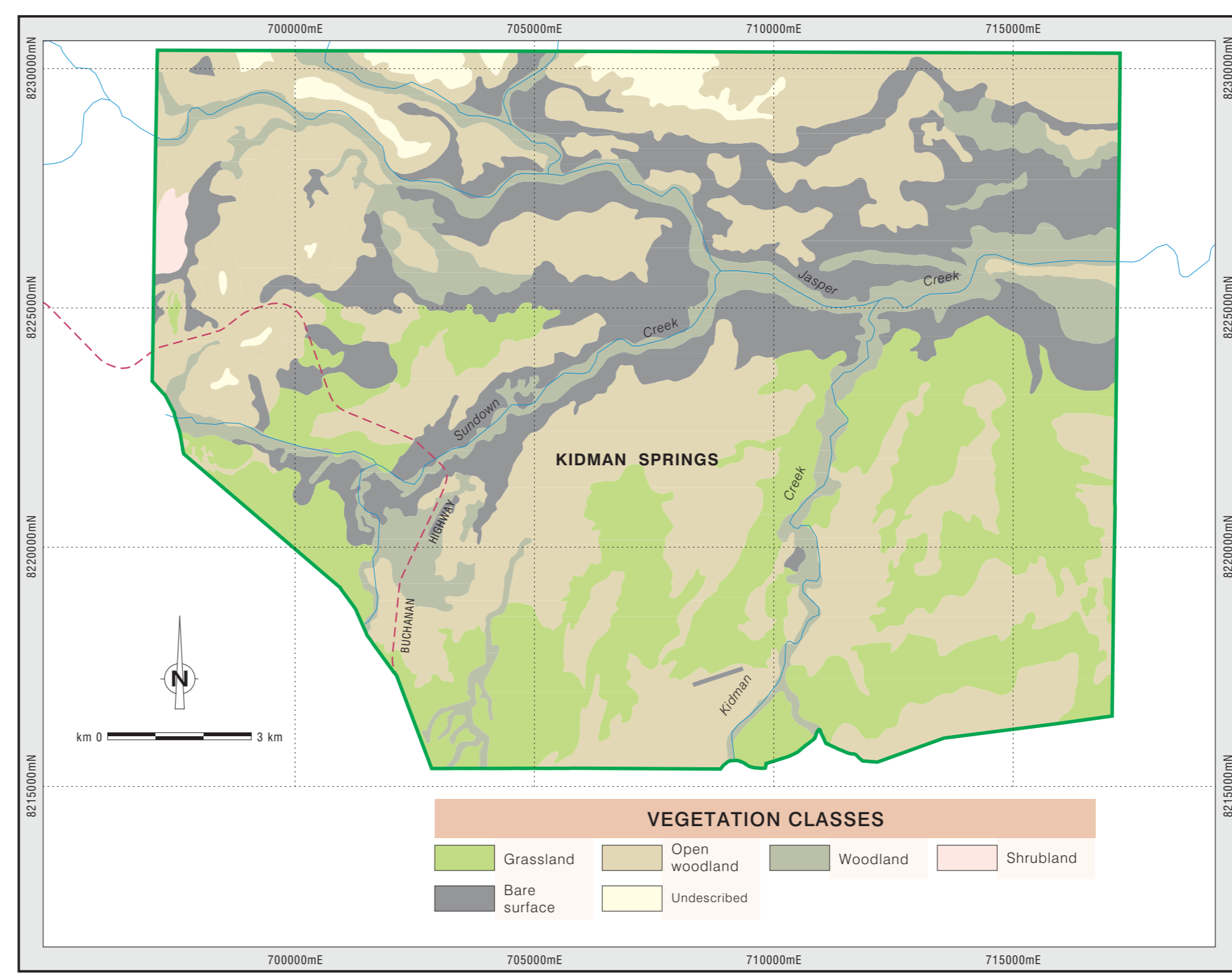
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SOIL TYPES

Calcarosols	Kandosols	Rudolsols	Dermosols
Tenosols	Hydrosols	Vertosols	Undescribed



VEGETATION CLASSES

Grassland	Open woodland	Woodland	Shrubland
Bare surface	Undescribed		

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.

A site inspection should always accompany mapping for specific areas.

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Web: <http://lrmmaps.nt.gov.au>
Map Reference: Kidman-Sp_Land-Resources_50k-Map

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TECHNICAL REFERENCE:

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Northern Territory Government

**LAND RESOURCES of
VICTORIA RIVER RESEARCH
STATION (KIDMAN SPRINGS)**
including
WAMBARDI ABORIGINAL LAND TRUST