

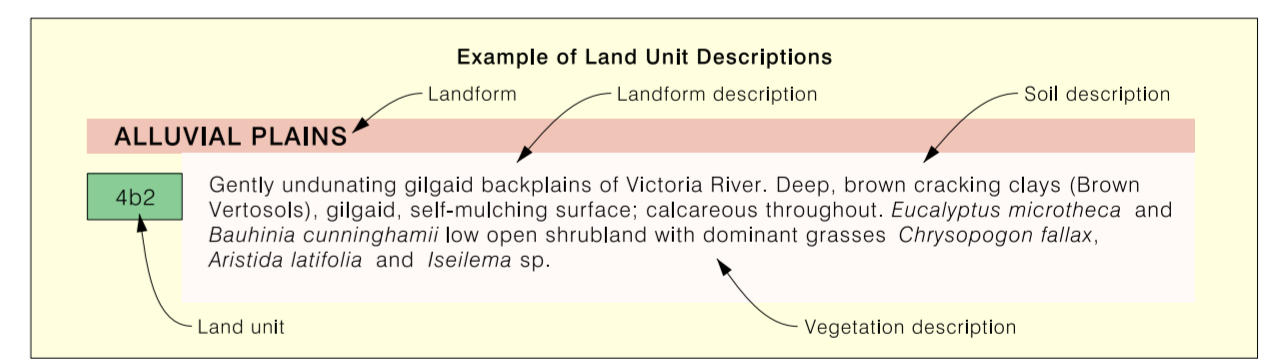
LAND RESOURCES of THE TIMBER CREEK TOWNSHIP AREA

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 NR Maps: <https://nrmaps.nt.gov.au>

Map Reference: DEPWS2021204 Timber-Creek-Township_Land-Resources_Map

LAND UNIT DESCRIPTIONS

PLATEAUX	
1a	Structural plateau surface, upper slopes and benches above scarp at top of denudation slope. Skeletal soils (Rudosols) on rocky outcrops. <i>Eucalyptus tetradonta</i> , <i>Corymbia dichromophloia</i> , <i>Corymbia ferruginea</i> , <i>Eucalyptus miniata</i> , <i>Eucalyptus phoenicea</i> open woodland with dominant grasses <i>Sorghum stipoides</i> , <i>Triodia bixetura</i> .
SIDESLOPES	
1b	Boulder strewn denudation slopes, up to 60% occurring beneath scarp; relief 100m. Lithosols (Rudosols), <i>Eucalyptus tectifica</i> low open woodland with stunted <i>Erythrophleum chlorostachys</i> , <i>Cochlospermum fraseri</i> and dominant grasses <i>Sorghum stipoides</i> and <i>Triodia</i> spp. and <i>Ptilotus obovatus</i> forbs.
RISES	
2b1	Lower footslopes 2-4% slope, with few surface stones. Moderately deep, yellow earthy sands (Tenosols) with slight internal drainage impedance. <i>Terminalia platytera</i> , <i>Eucalyptus microtheca</i> low open woodland with dominant grasses <i>Sorghum</i> spp. and <i>Triodia</i> sp. and some <i>Ptilotus obovatus</i> forbs.
2b2	Lower footslopes 3-4% with few surface stones; gullies occur along drainage lines. Moderately deep, yellow earthy sands (Tenosols) with slight drainage impedance above a gravel pan. <i>Erythrophleum chlorostachys</i> , <i>Terminalia platytera</i> , <i>Corymbia latifolia</i> open woodland with dominant grasses of annual <i>Sorghum</i> spp. and <i>Chrysopogon fallax</i> .
2c	Lower footslopes gently sloping at 2-4%. Shallow gravelly yellow earths (Kandosols). <i>Melaleuca minutifolia</i> and <i>Terminalia platytera</i> tall shrubland with dominant grasses <i>Aristida latifolia</i> and <i>Themeda triandra</i> .
LOW RISES	
2a	Upper footslopes gently sloping at 2-10%; scattered limestone pavement or outcrop, and hard silicified sandstone boulders. Lithosols (Rudosols), <i>Eucalyptus tectifica</i> , <i>Erythrophleum chlorostachys</i> , <i>Terminalia platytera</i> , <i>Eucalyptus grandifolia</i> low open woodland with dominant grasses <i>Sorghum</i> spp. with occasional <i>Triodia</i> spp., <i>Chrysopogon</i> spp. and <i>Heteropogon</i> sp.
PLAINS	
3c1	Levees and backplains of Timber Creek, slopes 2-3% on western side of the creek. Moderately deep calcareous red earths (Red Kandosols) over a calcareous pan at 60cm. <i>Eucalyptus tectifica</i> and <i>Corymbia latifolia</i> open woodland with dominant grasses <i>Sehima nevosum</i> , <i>Themeda triandra</i> and <i>Heteropogon contortus</i> .
ALLUVIAL PLAINS	
4b1	Gently undulating gilgaid backplains associated with Victoria River; 20-25% surface cover of sandstone, limestone and chert stones and gravel. Deep, brown cracking clays (Brown Vertosols), heavily gilgaid, self mulching surface, calcareous throughout; many floaters in some areas. <i>Lysiphylum cunninghamii</i> , <i>Vachellia bidwillii</i> , <i>Sesbania</i> sp. and <i>Eucalyptus microtheca</i> low open shrubland with dominant grasses <i>Chrysopogon</i> spp., <i>Sorghum</i> spp. and <i>Iseilema</i> sp.
4b2	Gently undulating gilgaid backplains of Victoria River. Deep, brown cracking clays (Brown Vertosols), gilgaid, self-mulching surface; calcareous throughout. <i>Eucalyptus microtheca</i> and <i>Bauhinia cunninghamii</i> low open shrubland with dominant grasses <i>Chrysopogon fallax</i> , <i>Aristida latifolia</i> and <i>Iseilema</i> sp.
4b3	Gently undulating gilgaid backplains of Victoria River. Deep, brown cracking clays (Brown Dermosols), calcareous throughout with self-mulching surface. <i>Ficus opposita</i> , <i>Eucalyptus microtheca</i> , <i>Vachellia bidwillii</i> and <i>Carissa lanceolata</i> low open shrubland with dominant <i>Sorghum</i> spp. grass.
DRAINAGE SYSTEMS	
3a	Secondary creek containing ephemeral water supplies and recent alluvial deposits. Alluvial deposits (Kandosols and Rudosols). Ephemeral creeks, vegetation has not been described.
3b	Backplains and drainage flats associated with Timber Creek; slopes less than 2%. Moderately deep, dark brown non cracking clays (Brown Dermosols), with silty clay loam organic surface horizons over calcareous subsoils. <i>Corymbia bella</i> and <i>Corymbia grandifolia</i> open woodland over <i>Vachellia bidwillii</i> and <i>Sesbania</i> sp. with dominant grasses <i>Sehima nevosum</i> , <i>Themeda triandra</i> and <i>Chrysopogon fallax</i> .
3c2	Levee banks and terraces of Timber Creek. Moderately deep calcareous red earths (Red Kandosols) over calcareous pan at 90cm. Silty alluvial surface due to flood deposits. <i>Corymbia terminalis</i> , <i>Eucalyptus tectifica</i> , <i>Terminalia arotata</i> and <i>Bauhinia cunninghamii</i> open woodland with dominant grasses <i>Sehima nevosum</i> , <i>Themeda triandra</i> and <i>Chrysopogon fallax</i> .
3c3	Levees and drainage flats of Timber Creek. Deep calcareous red clays (Red Dermosols) on higher levees and deep, dark brown clays (Brown Dermosols) in lower drainage flat areas. <i>Eucalyptus tectifica</i> , <i>Terminalia arotata</i> , <i>Corymbia terminalis</i> open woodland with <i>C. papuana</i> and <i>E. microtheca</i> in lower areas, dominant grasses <i>Chrysopogon fallax</i> and <i>Heteropogon contortus</i> with <i>Themeda triandra</i> and <i>Sehima nevosum</i> in low areas.
4a	Backplains of Victoria River containing numerous drainage lines. Shallow, brown non cracking clays (Brown Dermosols), <i>Eucalyptus microtheca</i> , <i>Terminalia platyphyla</i> , <i>Adansonia</i> sp., <i>Lysiphylum cunninghamii</i> open woodland with dominant grasses <i>Sorghum</i> spp. and <i>Chrysopogon</i> spp.
4c	Levees adjacent to Victoria River, and some cleared, levelled areas. Alluvial sandy red earths (Red Kandosols) in undisturbed areas; some levelled areas containing shallow gravelly soils (Rudosols). <i>Eucalyptus tectifica</i> , <i>Terminalia platytera</i> , <i>Acacia</i> sp. and <i>Gyrocarpus americanus</i> low woodland with dominant grasses <i>Sorghum</i> spp. and <i>Chrysopogon</i> sp.
4d	Eroded areas within Victoria River deposits. Sandy red earths (Red Kandosols), calcareous red and brown clays (Red and Brown Dermosols), <i>Eucalyptus microtheca</i> and <i>Bauhinia cunninghamii</i> low open woodland.



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 1:15 000. Enlarging this map beyond this scale will not provide further detail. Final map scale is 1:15 000.

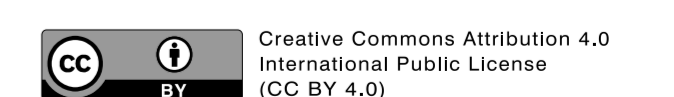
A site inspection should always accompany mapping for specific areas.

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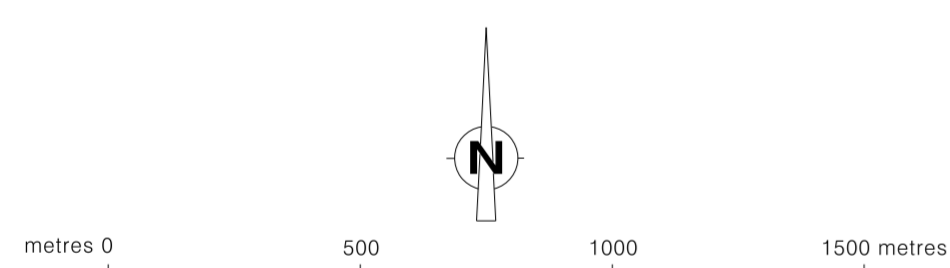
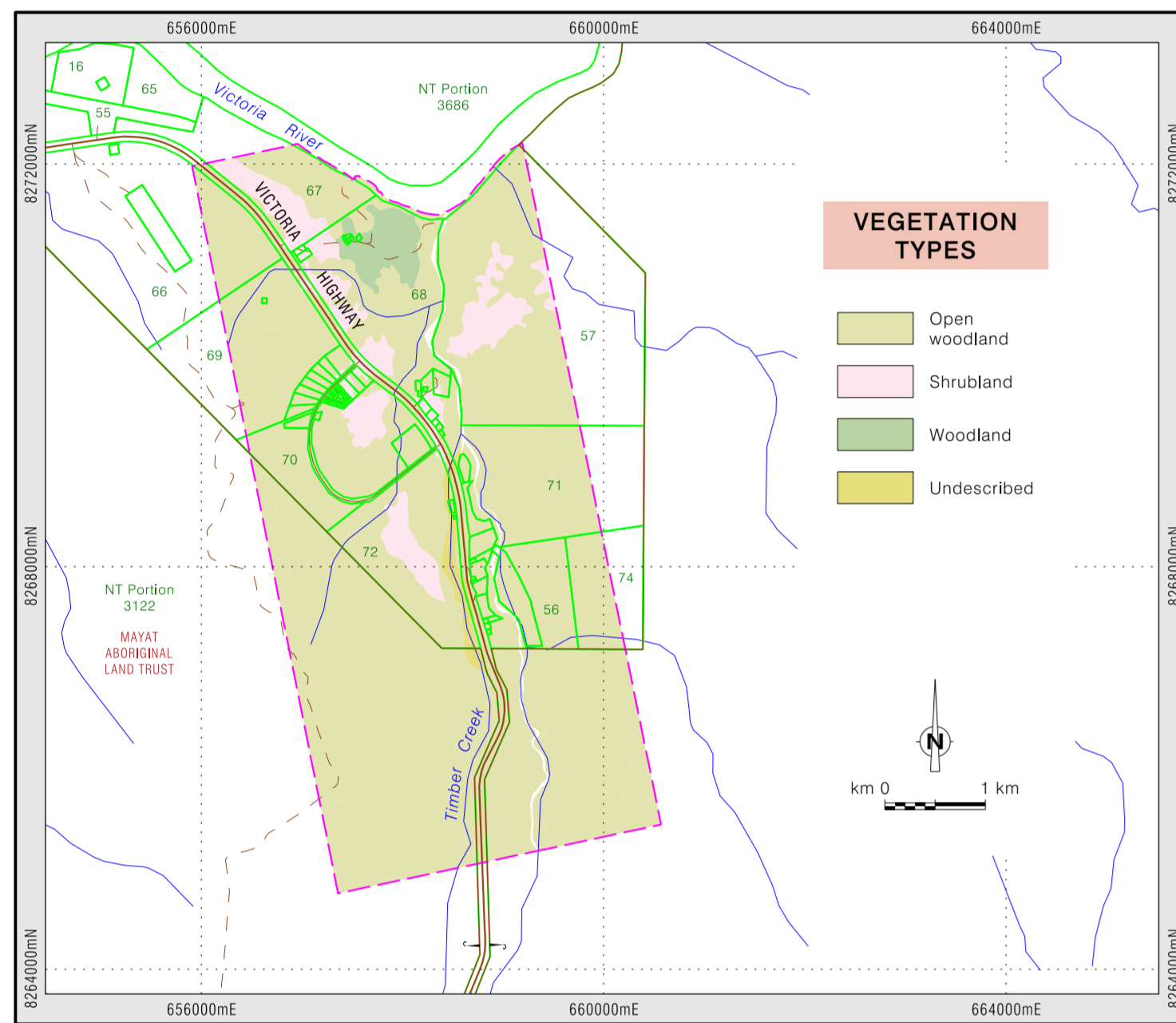
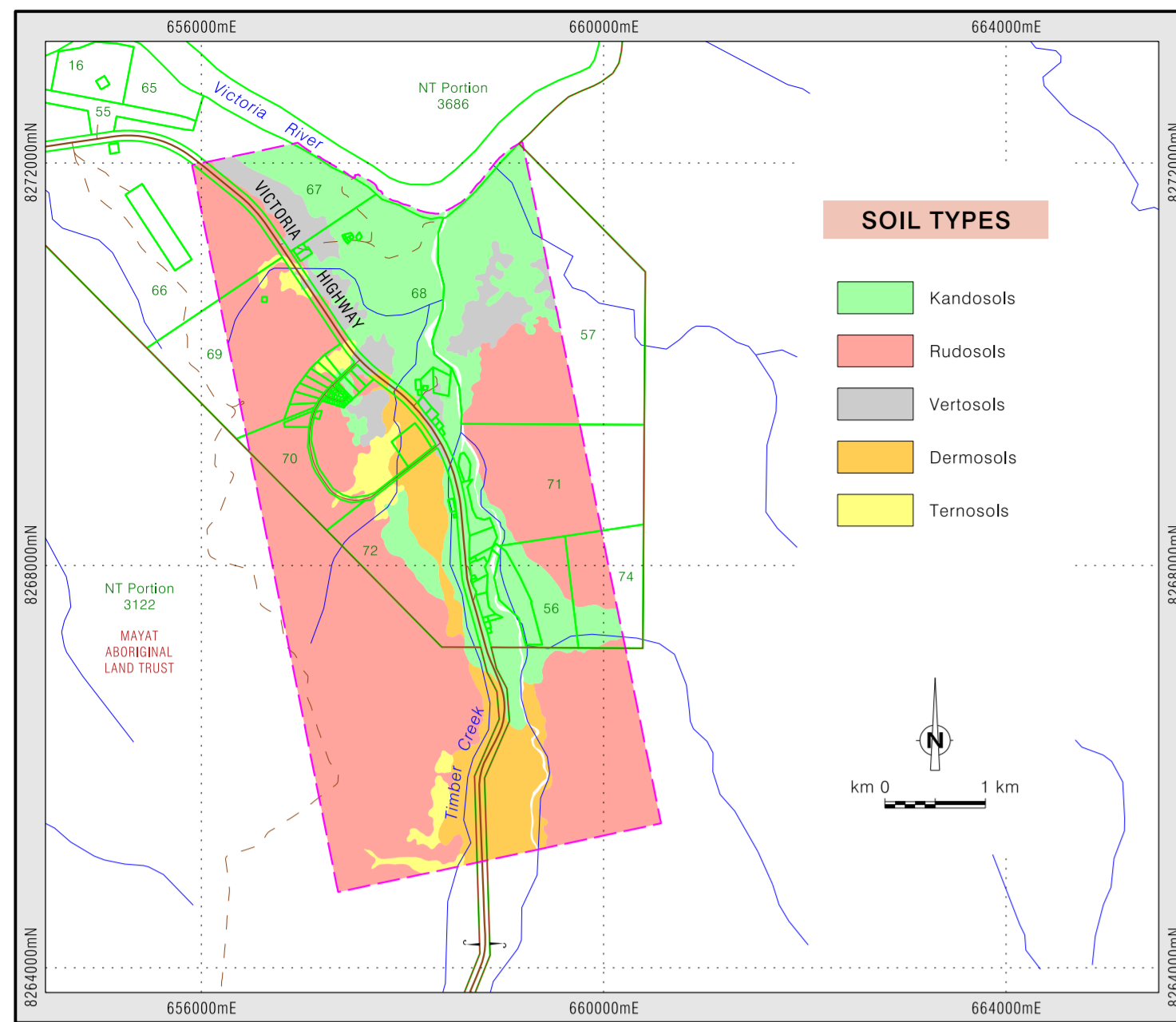
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Department of Environment, Parks and Water Security
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Cartography by R. Lim
 Geospatial Services
 Department of Environment, Parks and Water Security
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Black numbered lines are 2000 metre intervals of the Map Grid of Australia (MGA) Zone 52 Transverse Mercator Projection Horizontal Datum: GDA 94

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

GENERAL FEATURES

Land unit boundary	—
Survey boundary	—
Property boundary	—
Parcel number	70
Aboriginal Land Trust	—
Minor road / track	—
Drainage line	—

Base Information Data Sources:

Department of Infrastructure, Planning and Logistics, NT of Australia
 Drainage lines: Geoscience Australia, Australian Government, Geodata Topo 250K series 3.

MAP LOCALITY and STUDY AREA

