

# LAND UNITS of the PINE CREEK TOWNSHIP AREA

Edition 1/10 - April 2010

## BIBLIOGRAPHIC REFERENCE;

Wood B.G. (1977) *LAND UNITS OF THE PINE CREEK TOWNSHIP AREA (1977)*. Land Conservation Section, Forestry, Fisheries & Land Conservation Branch, Department of the Northern Territory. Report Number TB 77/100.

## TECHNICAL REFERENCES;

Isbell R.F. (1998). "The Australian Soil Classification". CSIRO Publishing, Melbourne.  
McDonald R.C., Isbell R.F., Speight J.G., Walker J. and Hopkins M.S. (1998). "Australian Soil and Land Survey Field Handbook", 2nd edition, Inkata Press, Melbourne.

## LOW HILLS

- 1a** Hills, side slopes > 10%; rock outcrop. Shallow lithosols (Rudosols). *Eucalyptus tectifica*, *Erythrophleum chlorostachys* open woodland with *Eucalyptus tintinnans*, *E. miniata*, *Corymbia polysciada*, *C. latifolia* and *C. setosa*; annual/perennial sparse grass layer
- 2a** Isolated low hills and ridges, slopes < 10%; frequent rock outcrop. Lithosols (Rudosols). *Corymbia latifolia*, *Eucalyptus tectifica*, *Erythrophleum chlorostachys*, *Eucalyptus tintinnans* and *C. polysciada* variable woodland with *Grevillea decurrens* and *Calytrix exstipulata*; annual/perennial grass layer

## RISES

- 1b** Footslopes associated with 1a; slopes to 10%. Lithosols (Rudosols). *Erythrophleum chlorostachys*, *Eucalyptus tetradonta*, *E. tectifica* and *E. tintinnans* open woodland with *Gardenia megasperma* and *Calytrix exstipulata*; annual/perennial grass layer
- 2b** Erosional rises and slopes; slopes < 6%. Gravelly yellow earths, lithosols (Kandosols). *Corymbia latifolia*, *Eucalyptus tectifica*, *Erythrophleum chlorostachys*, *Eucalyptus bigalerita*, *C. polysciada* and *C. bella* variable woodland; annual/perennial grass layer

## LOW RISES

- 1c** Footslopes associated with 1a; slopes to 10%. Shallow gravelly yellow earths, lithosols (Kandosols). *Eucalyptus tectifica*, *Corymbia latifolia*, *C. bleeseri*, *Erythrophleum chlorostachys*, *Planchonia careya*, *Buchanania obovata* and *Gardenia megasperma* variable woodland; annual/perennial grass layer

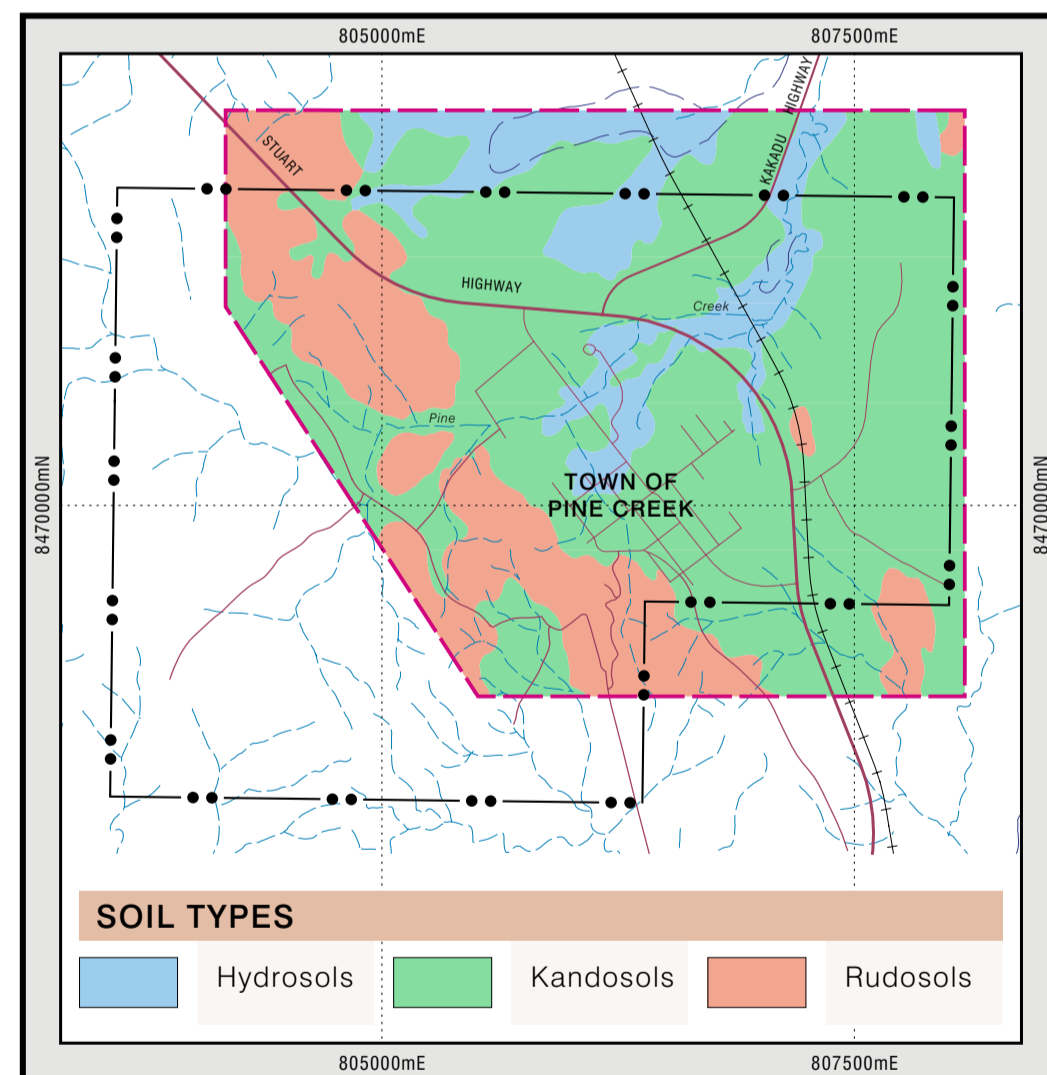
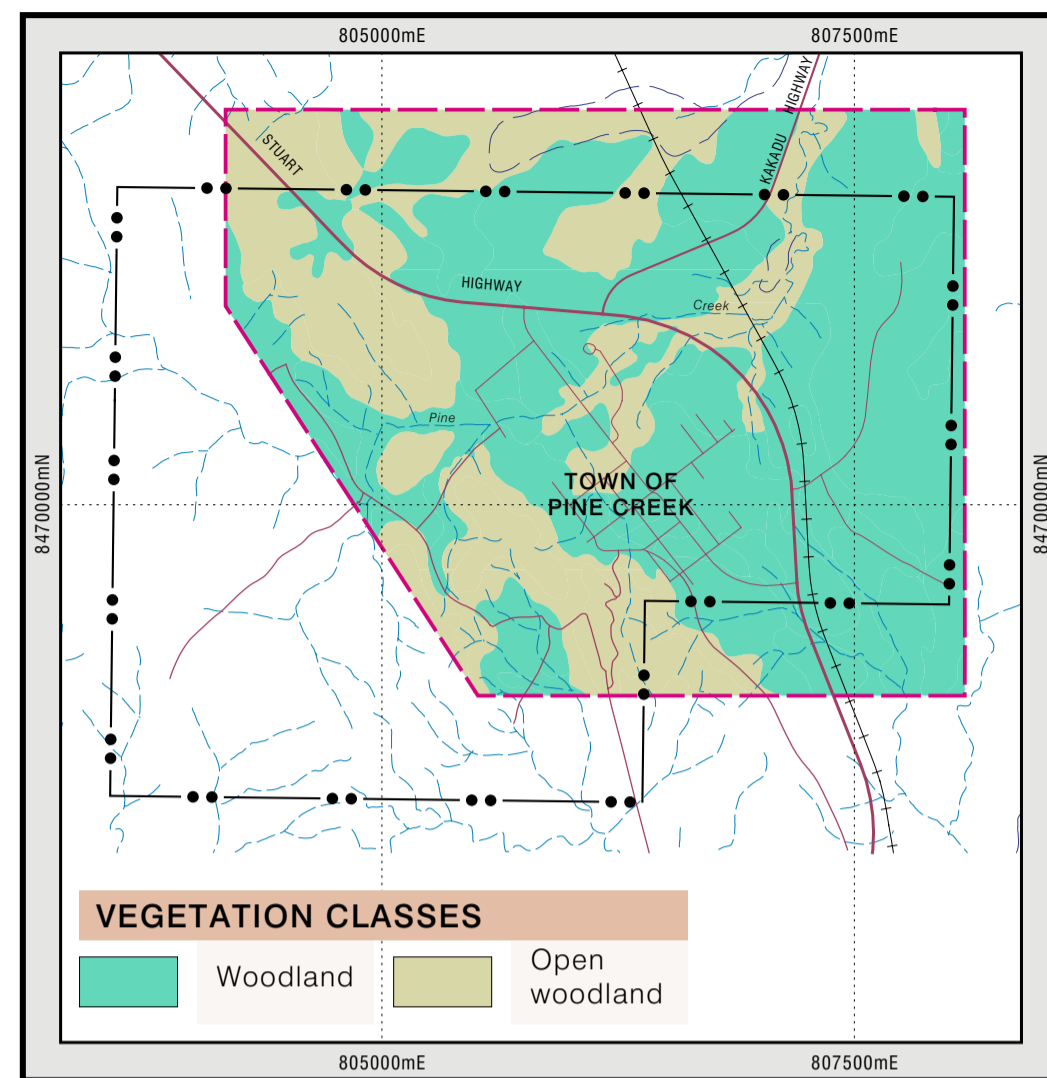
## PLAINS

- 2c** Erosional rises and slopes; slopes < 6%. Gravelly yellow earths, sandy yellow earths, lithosols (Kandosols). *Corymbia latifolia*, *Eucalyptus tectifica*, *Erythrophleum chlorostachys*, *Eucalyptus bigalerita*, *C. polysciada* and *C. bella* variable woodland; annual/perennial grass layer
- 3** Colluvial slopes; slopes to 2%. Yellow brown to brown earths (Kandosols). *Corymbia latifolia*, *Eucalyptus bigalerita*, *E. tetradonta*, *E. tectifica*, *E. microtheca*, *C. bleeseri* and occasional *Erythrophleum chlorostachys* low woodland with areas of woodland and open woodland; annual/perennial grass layer

## ALLUVIAL PLAINS

- 4b2** Incised drainage floors and backplains. Yellow podzolics (Hydrosols). *Corymbia bella* and *Eucalyptus apodophylla* open woodland; some areas of *C. latifolia* and *E. alba* with *Acacia* spp., *Gardenia megasperma* and *Grevillea pteridifolia*; annual/perennial grass layer
- 4a** Heads of drainage lines. Lithosols, yellow earths and yellow podzolics (Kandosols). *Corymbia polysciada*, *Eucalyptus tectifica*, *E. bigalerita* and *C. latifolia* low to low open woodland with *Acacia* spp., *Grevillea decurrens*, *Calytrix exstipulata* and *Petalostigma pubescens*; sparse perennial grass layer
- 4b1** Incised drainage floors and backplains. Yellow earths and lateritic yellow earths (Hydrosols). *Corymbia latifolia*, *Eucalyptus alba*, *E. apodophylla*, *C. bella* and *C. foelscheana* open to low open woodland with *Acacia* spp., *Melaleuca viridiflora* and *Grevillea decurrens*; annual/perennial grass layer

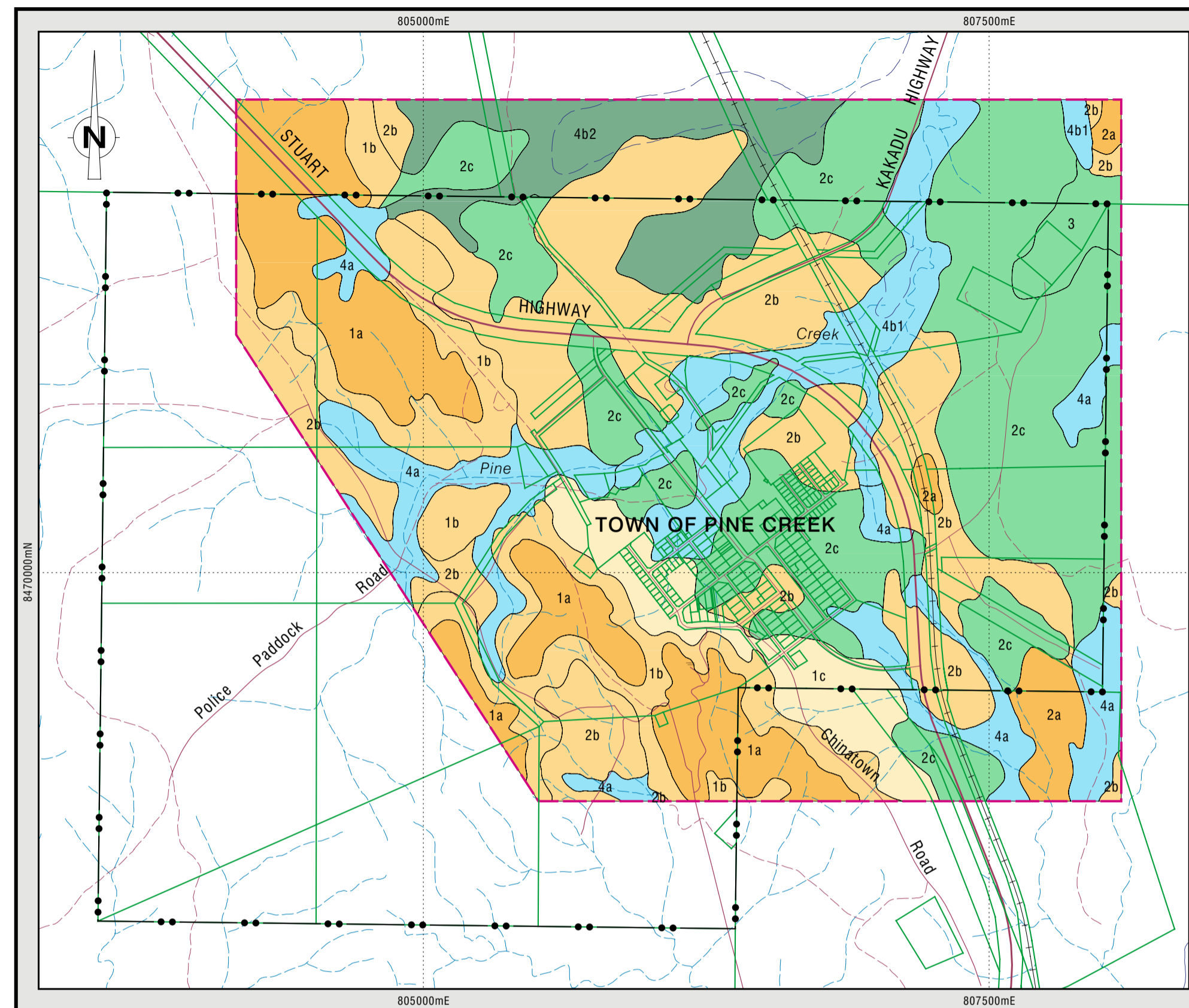
**Note: Major landscape changes due to mining operations have occurred since this survey was conducted in 1977.**



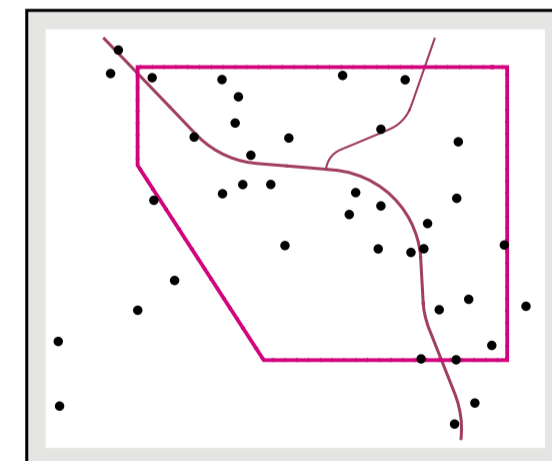
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## SOIL and VEGETATION SAMPLING SITES

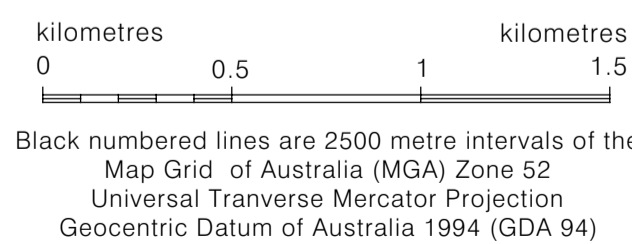


Land resource information has been derived from aerial photograph interpretation and field collection of data describing landform, soil and vegetation. Mapping has been collected according to the national standards and prepared at a scale of 1 : 10 000. Enlarging this map beyond this scale will not provide further detail. A site inspection should always accompany mapping for specific areas.

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## LEGEND

- Limit of land unit survey.....
- Town boundary.....
- Cadastral boundary.....
- Principal road.....
- Secondary road.....
- Local road / track.....
- Drainage line.....



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

## MAP LOCALITY

