

UPPER MARY RIVER CATCHMENT RESOURCE ASSESSMENT AND DEGRADATION SURVEY VEGETATION COMMUNITIES and LANDFORMS Sheet 3

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 "Australian Soil and Land Survey Field Handbook" 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.

For further information contact:
Natural Systems Division,
Conservation and Natural Resources Group,
Department of Infrastructure, Planning and Environment,
Ph. (08) 8999 4575, Fax. (08) 8999 3667
Goyder Centre, Chung Wah Terrace, Palmerston,
Northern Territory of Australia.

REFERENCE
Napier, D.E. and Steen, C.N. (2002). "Upper Mary River Catchment Resource Assessment and Degradation Survey". Department of Infrastructure, Planning and Environment, Natural Systems Division, Palmerston, NT.
Technical Report No. 31/2002

OTHER 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 Handbook". Second Edition. Canberra, Australian Collaborative Land Evaluation Program, CSIRO Land and Water.

ADJOINING LAND RESOURCE SURVEYS
Day, K.J. and Lally, J.R. (1971). "Mary River Land Units". Palmerston, Northern Territory Department of Infrastructure, Planning and Environment, Natural Systems Division. MAP AND LEGEND ONLY. Map No. 26.
Robinson, C.S. and Howe, D.F. (1973). "Land Resources of Point Stuart Station". Darwin, Animal Industry and Agriculture Branch, Department of Northern Australia Land Conservation. Map No. 38. INTERNAL REPORT.

Forster, B.A. and Fogarty, P.J. (1975). "Report on the Land Units of Mount Bunderly Station". Darwin, Animal Industry and Agriculture Branch, Department of Northern Territory. Technical Bulletin No. 16.
Day, K.J., Harrison, C. and van Cuylenburg, H.R.M. (1979). "Land Units of Wildman River Station, NT". Darwin, Parks and Wildlife Commission of the Northern Territory. Technical Memorandum 79/6.

van Cuylenburg, H.R.M. (1981). "Land Units of the Woolner Area". Darwin, Conservation Commission of the Northern Territory, Land Conservation Unit. MAP AND LEGEND ONLY. Map No. 96.
Fett, D.E.R. and Hall, I.R. (1983). "Report on the Land Units of the Western Section of Annabrook Station, Northern Territory". Darwin, Conservation Commission of Northern Territory, Land Conservation Unit. Technical Memorandum 85/1.

Fett, D.E.R. (1990). "Land Units of the Adelaide - Mary River Floodplains". Darwin, Conservation Commission of Northern Territory, Land Conservation Unit. MAP AND LEGEND ONLY. Map No. 140.

LEGEND

- Vegetation community boundary
- Limit of land unit mapping
- Surfacewater catchment boundary
- Property boundary
- National Park boundary
- Town boundary
- Municipal boundary
- Highway
- Minor road
- Track
- Gas pipeline
- Railway under construction
- River channels / creek
- Lagoon / waterhole

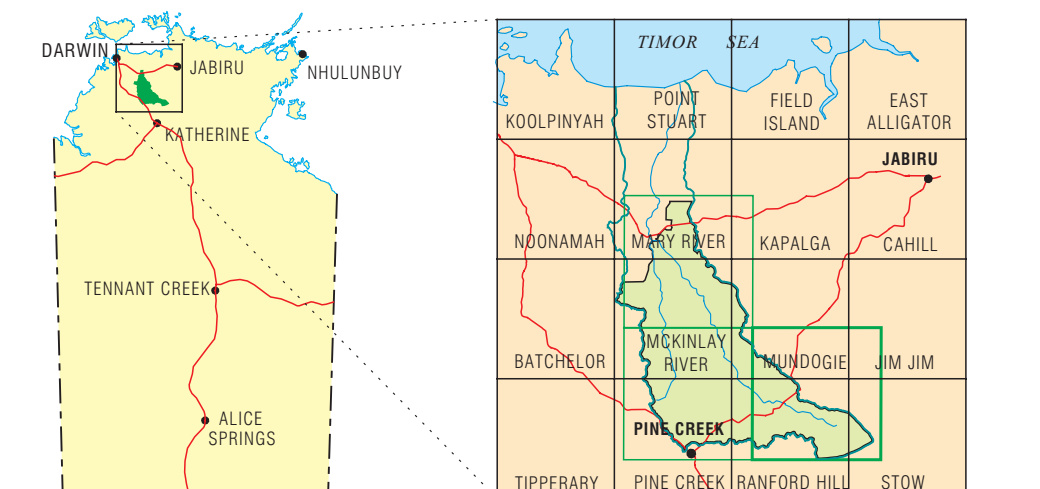
Note: This map was produced on the Geocentric Datum of Australia (GDA94)

Black numbered lines are 10000 metre intervals of the Map Grid of Australia (MGA), Zone 52
Universal Transverse Mercator Projection, Horizontal Datum: GDA 94
Note: Although survey area crosses into Zone 53, MGA values displayed are Zone 52.

Cartography by L. Fritz, Spatial Data and Mapping,
Conservation and Natural Resources Group,
Department of Infrastructure, Planning and Environment,
Northern Territory of Australia, January, 2003.

Design File: Upper-Mary-R-Vegetation_Sh3
Plot File: Upper-Mary-R-Vegetation_Sh3

MAP LOCALITY & 1:100 000 SHEET INDEX



This product and all material forming part of it is copyright belonging to the Northern Territory of Australia. You may use this material for your personal, non-commercial use or use it within your organisation for non-commercial purposes, provided that an appropriate acknowledgement is made and the material is not altered in any way. Subject to the fair dealing provisions of the Copyright Act 1968, you must not make any other use of this product (including copying or reproducing it or part of it in any way) unless you have the written permission of the Northern Territory of Australia to do so.

The Northern Territory of Australia does not warrant that the product or any part of it is correct or complete and will not be liable for any loss damage or injury suffered by any person as a result of its inaccuracy or incompleteness.

PURE VEGETATION COMMUNITIES

Pure (p) - dominant vegetation description has less than 20% variability within the unit.

IDENTIFIER	COMMUNITY No.	DOMINANT COMMUNITY DESCRIPTION	LANDUNITS
4p	4	Tall open woodland of <i>Eucalyptus tetradonta</i> , <i>E. miniata</i> , <i>Corymbia bleeseri</i>	6h
5p	5	Mid high open woodland of <i>Corymbia dichromophloia</i>	4b
6p	6	Mid high open woodland of <i>Corymbia disjuncta</i>	8p
14p	14	Tall open woodland of <i>Eucalyptus miniata</i>	6e, 1c
15p	15	Tall open woodland of <i>Eucalyptus phoenicea</i>	4a
16p	16	Mid high open woodland of <i>Eucalyptus tectifica</i>	8f
17p	17	Tall open woodland of <i>Eucalyptus tetradonta</i>	8p, 1g
18p	18	Tall woodland of <i>Eucalyptus tetradonta</i> , <i>E. miniata</i>	16, 8d, 8i
20p	20	Tall woodland of <i>Alloyncarpia ternata</i>	8r
21p	21	Low open shrubland of <i>Asteromyrtus magnifica</i>	16, 8t
22p	22	Tall woodland of <i>Melaleuca argentea</i>	10a
23p	23 or 24	Mid high open woodland of <i>Melaleuca viridiflora</i> or mid high woodland of <i>M. dealbata</i>	11a
24p	24	Mid high open woodland of <i>Melaleuca viridiflora</i>	9d
25p	25	Low open woodland of <i>Petalostigma pubescens</i>	9g
27p	27	Mixed species grassland	9e
34p	34	Tall woodland of <i>Eucalyptus gigantangion</i>	1b

MOSAIC VEGETATION COMMUNITIES

Mosaic (m) - dominant vegetation description has greater than 20% variability within the unit.

IDENTIFIER	COMMUNITY No.	DOMINANT COMMUNITY DESCRIPTION	LANDUNITS
1m	1 or 10	Tall open woodland of <i>Corymbia bella</i> or mid high open woodland of <i>C. polycarpa</i>	10d
3m	3	Tall open woodland of <i>Corymbia bleeseri</i> , <i>Eucalyptus miniata</i>	8d
4m	4	Tall open woodland of <i>Eucalyptus bleeseri</i> , <i>E. miniata</i> , <i>Corymbia bleeseri</i>	1a, 1f
5m	5	Mid high open woodland of <i>Corymbia dichromophloia</i>	2c, 5a, 2b, 6g
7m	7	Mid high open woodland of <i>Corymbia heisteria</i>	8o
8m	8 or 10	Mid high open woodland of <i>Corymbia grandifolia</i> or <i>C. polycarpa</i>	8h
9m	9	Mid high open woodland of <i>Corymbia latifolia</i>	10e
10m (1)	10 or 27	Mid high open woodland of <i>Corymbia polycarpa</i> or mixed species grassland	9b
10m (2)	10	Mid high open woodland of <i>Corymbia polycarpa</i>	10b, 9f
12m	12 or 9	Mid high open woodland of <i>Eucalyptus apodophylla</i> or <i>Corymbia latifolia</i>	9a
14m (1)	14 or 16	Tall open woodland of <i>Eucalyptus miniata</i> or mid high open woodland of <i>E. tectifica</i>	9c
14m (2)	14	Tall open woodland of <i>Eucalyptus miniata</i>	8k, 8m, 8b, 6f
15m	15	Tall woodland of <i>Eucalyptus phoenicea</i>	5b
16m	16	Mid high open woodland of <i>Eucalyptus tectifica</i>	8c, 6a
17m	17	Tall open woodland of <i>Eucalyptus tetradonta</i>	8j, 8a, 6b
21m	21	Low open shrubland of <i>Asteromyrtus magnifica</i>	2a
27m	27	Mixed species grassland	10c

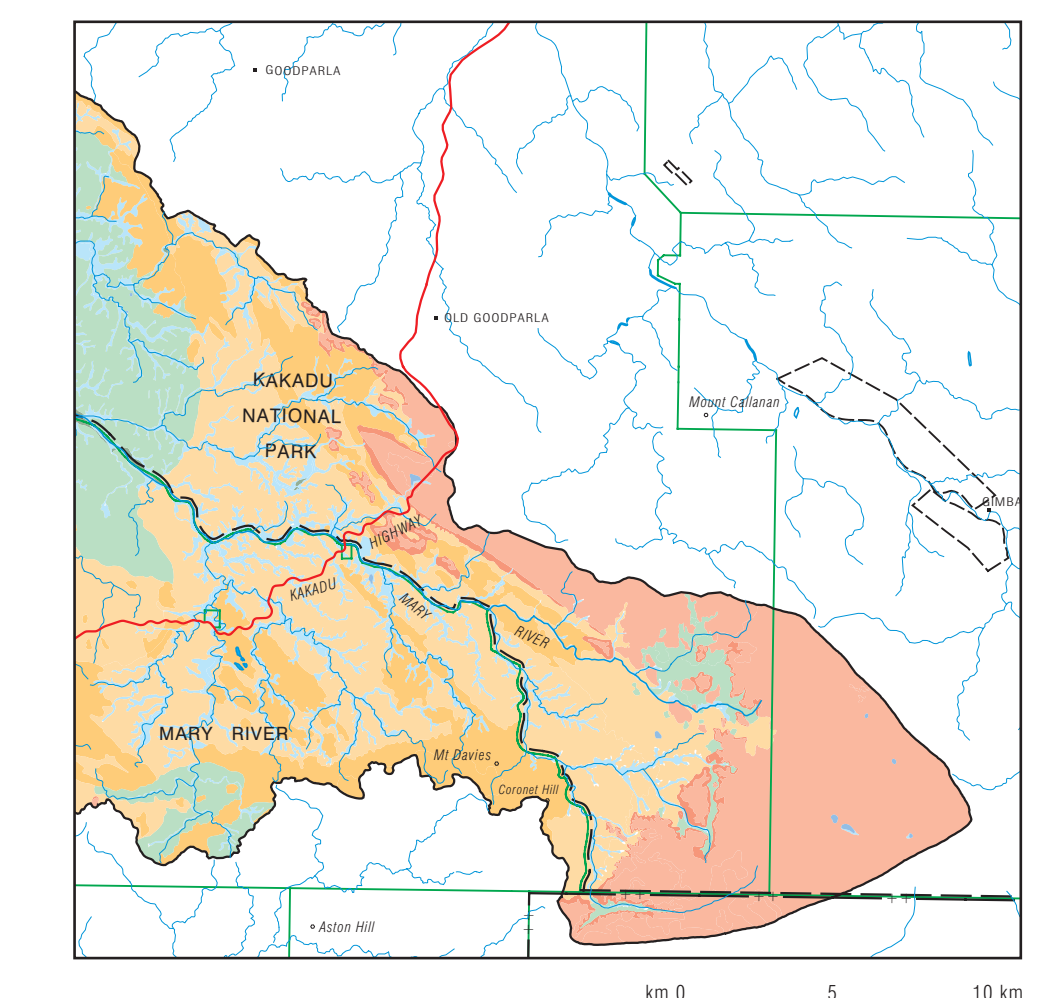
LAND UNITS WITH VARIABLE VEGETATION COMMUNITIES

Unable to qualify

IDENTIFIER	SPATIAL RELIABILITY	DOMINANT COMMUNITY DESCRIPTION	LANDUNITS
8v	Pure	Mid high mixed species open woodland	8i
8w	Pure	Mid high mixed species open woodland	8e
6m	Mosaic	Variable mid high open woodland communities	6d
8s	Mosaic	Variable open woodland communities	8s
8n	Mosaic	Variable open woodland communities	8n
6c	Mosaic	Variable open woodland communities	6c

Note: By allocating a spatial reliability status it is possible to use 'pure' units for vegetation mapping purposes while recognising the constraints of the 'mosaic' units. This measure is not based wholly on site data, but relies on the project officer's intimate knowledge of the survey area.

LANDFORMS



LANDFORM CATEGORIES - Elevation

PLATEAUX	PLAINS: < 9 metres
ESCARPMENTS	ALLUVIAL PLAINS
HILLS: 90 - 300 metres	DRAINAGE SYSTEMS
LOW HILLS: 30 - 90 metres	SWAMPS
RISES: 9 - 30 metres	WATER

