



COMMUNITY DESCRIPTIONS

OPEN-FOREST

- 1 *M. viridiflora*, *M. leucadendra* open-forest (floodplain fringes).
- 2 *M. cajuputi*, *M. viridiflora* open-forest (floodplain proper).
- 3 *M. cajuputi* open-forest with occasional *M. viridiflora* (floodplain proper).
- 4 *M. cajuputi*, *M. acacioides* open-forest (drainage depressions).
- 5 *M. leucadendra*, *M. argentea* open-forest (riparian/springs).
- 6 *M. leucadendra*, *M. cajuputi* open-forest (floodplain proper).

LOW OPEN-FOREST

- 7 *M. acacioides*, *M. dealbata* low open-forest (saline flat fringes).

WOODLAND / OPEN-FOREST

- 8 *M. viridiflora*, *M. leucadendra* woodland / open-forest (billabongs).
- 9 *M. viridiflora*, *M. stenostachya* woodland (drainage flats).
- 10 *M. viridiflora*, *M. leucadendra* woodland (river / creekline).
- 11 *M. leucadendra*, *M. viridiflora* open-forest (backplain / swamp).

MAP PRODUCTION

MAP_NAME	SPATIAL ACCURACY meters	API SOURCE	API INTERPRETATION	TOPOLOGY
Wessel Islands	200	API:1/80-BW	P.Brocklehurst	D.Rance
Truant Island	200	API:1/80-BW	P.Brocklehurst	D.Rance

LEGEND

- Watercourse
- Perennial or ephemeral watercourse
- Perennial waterhole
- Dam
- Community boundary
- Road
- Minor Road
- Landing ground
- Mountain/hill
- Population Centre / community

COMMUNITIES OF FORESTRY POTENTIAL

Community	Percentage Cover	Median Height (m)	Stems / ha	Stand basal area (D>10cm>30cm)	Bole volume	
1	60	16	719	66	27	118
2	25	14	607	58	23	85
3	58	14	916	92	15	73
4	20	16	705	36	48	194
5	60	17	630	48	30	97
6	50	13	432	36	26	66
7	26	12	395	14	10	45
8	20	17	377	18	36	118
9	33	7	385	42	3	21
10	40	17	395	36	18	14
11	29	12	193	36	20	58

** Stand basal area: Square metres per hectare, live trees only
Bole volume: Stand bole volumes in cubic metres per hectare for live trees and includes sawlogs, pole logs and pulp logs.

MAP LOCALITY & 1:250 000 SHEET INDEX

INDEX TO ADJOINING SHEETS

JUNCTION BAY SC 53-14	WESSEL ISLANDS SC 53-15	TRUANT ISLAND SC 53-16
MILINGIMBI SD 53-02	ARANHEM BAY SD 53-03	GOVE SD 53-04
MOUNT MARUMBA SD 53-06	BLUE MUD BAY SD 53-07	PORT LANGDON SD 53-08
URAPUNGA SD 53-10	ROPER RIVER SD 53-11	CAPE BEATRICE SD 53-12

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Melaleuca forest boundaries were interpreted from black/white and colour aerial photography. Aerial photograph scales varied from 1:16 000 to 1:80 000. The quality and age of the aerial photography varied. Land sat TM scenes at 1:100 000 and 1:250 000 were used for areas where photography was unavailable. All areas discernible as melaleuca forests and greater than 0.4 hectares in size were mapped. Streamline forests or narrow fringing forests with long lineal extents and relatively small widths were buffered to form polygons. Interpreted patterns were transferred directly onto the AUSLIG 1:100 000 topographic map sheet series and digitised.

REFERENCE:
P. Brocklehurst: MELALEUCA SURVEY OF THE NORTHERN TERRITORY. DOCUMENT 1. 'METHODOLOGY, VARIABLES and FIELD SHEET'. Internal Document. Natural Systems, DIPE, 1992.
P. Brocklehurst & D. Van Kerckhof: MELALEUCA SURVEY OF THE NORTHERN TERRITORY. DOCUMENT 2. 'METHODOLOGY and DATA-BASE DESCRIPTION'. Internal Document. Natural Systems, DIPE, 1994.

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Mapunits by Brocklehurst, P.S. and Van Kerckhof, D.
Project coordination by P. Brocklehurst,
Cartography by B. Edmeades, Spatial Data and Mapping,
using Microstation graphic applications,
Design File: Wessel-500k_Melaleuca_m53
Plot File: Wessel-500k_Melaleuca

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Auslig Topo-250k data supplied through Land Information Services,
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Darwin, Northern Territory of Australia.

0 10 20 30 40 50 kilometres

Black numbered lines are 50000 metre intervals of the Map Gnd of Australia (MGA), Zone 53 Universal Transverse Mercator Projection Horizontal Datum: GDA 94

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

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Northern Territory Government
Department of Infrastructure, Planning and Environment
CONSERVATION and NATURAL RESOURCES GROUP

MELALEUCA FORESTS OF THE NORTHERN TERRITORY

Wessel Islands Sheet 3