MURILLA AND CHINCHILLA SHIRES

LAND RESOURCE AREAS

MAP 1

SCALE 1 : 250 000

KILOMETRES

5 0 5 10 15 20 25 30

LAMBERT CONFORMAL PROJECTION

BASE MAP compiled from the Digital Cadastre Data Base supplied by the Department of Lands, Brisbane.

COMPILED by John M.Maher, Resource Management Institute, Department of Primary Industries, Brisbane from the following sources (see Map 2 for detailed references):
- 'Land Resource Areas', Darling Downs Land Use Study, adapted by B.A. Forster (1986);
- 'Land Systems Map', Millmerran, Moonie, Tara Area by J.A. Mullins (1980);
- 'Land Systems Map', Miles Technical Guide, by N.M. Dawson (1972);
- 'Soil Association Map', Inglewood -Talwood - Glenmorgan -Tara Region by R.F. Isbell (1957); and
- 'Soil Land Type Map of the Tara Brigalow Lands', Division of Soils, CSIRO, Adelaide (unpublished).

CARTOGRAPHY by Diane J. Bray, Resource Management Institute, Department of Primary Industries, Brisbane.

PRINTED by *GOPRINT* Brisbane, 1995.

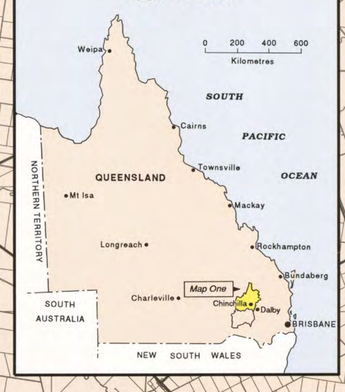
This map accompanies Maher, J.M. (ed.) 1995, *Understanding and Managing Soils in the Murilla, Tara and Chinchilla Shires*, Department of Primary Industries, Brisbane.

NOTE

This is not a Soils Map. The mapping units are Land Resource Areas and give a broad regional picture only. Boundaries are approximate and can only be confirmed by field survey. Each mapping unit contains a range of dominant and minor soils. Refer to the Field Manual for more information on the use and interpretation of this map in conjunction with the Soil Summary Sheets.

JOINS MAP 2

LOCALITY MAP



LEGEND

- Highway and major road ..... WARREGO HIGHWAY
- Road .....
- Shire boundary .....
- Shire name ..... MURILLA
- Digital cadastre data base (DCDB) .....

REFERENCE

LAND RESOURCE AREA	LANDFORM	SOILS	VEGETATION	AREA (ha)
Clay alluvial plains				
1a	Older,elevated alluvial plains	Black and grey cracking clays and bleached sands over brown or black clays	Very open grassy woodland of poplar box	13 744
1b	River terraces, channels and associated alluvial plains, subject to periodic flooding	Black and grey cracking clays and bleached sands over brown or black clays	Coolibah, river red gum open forest and woodland fringe the drainage lines, with poplar box grassy woodland on the flat plains	47 569
1c	Flat plains of basaltic alluvium modified in places with deposits from weathered shale and sandstone	Grey cracking clays	Poplar box grassy woodland	1 073
Poplar box flat plains				
2a	Flat plains and stream terraces of shale and sandstone alluvium	Bleached clay loams or sands over black or grey clays	Poplar box shrubby woodland to open forest or poplar box and false sandalwood shrubby woodland	92 282
2b	Gently undulating to flat plains	Bleached sands over mottled, yellow or grey clays	Woodland of poplar box and bull oak or poplar box	25 670
Cypress pine sands				
3a	Flat to gently undulating sandy alluvial plains	Deep sands, deep bleached sands over mottled, yellow or grey clays and bleached clay loams over black or grey clays	On the sandier soils cypress pine, tumbledown gum and rough-barked apple predominate, with poplar box or bull oak woodland on the heavier soils	129 354
3b	Flat sand plains raised above the level of the surrounding clay plains	Deep sands and deep bleached sands over mottled, yellow or grey clays	Open forest of tumbledown gum and cypress pine on deep sands and an open forest of bull oak, poplar box, cypress pine and tumbledown gum on texture contrast soils	15 225
Brigalow plains				
4a	Flat to gently undulating clay plains with very shallow to moderately deep gilgai	Grey or black cracking clays	Brigalow, belah, wilga forest, extensively cleared	247 191
4b	Flat clay plains with moderately deep to deep gilgai	Grey cracking clays	Brigalow, belah, wilga forest, extensively cleared	426 562
4c	Flat to gently undulating plains (contains areas of 4b)	Hard setting clay loams over brown or red clays	Belah forest, extensively cleared	111 236
Brigalow rises				
5a	Gently undulating rises and plains on sandstone and shale	Brown or grey, occasionally black, cracking clays	Open forest of brigalow, belah and wilga, extensively cleared	15 682
5b	Undulating rises	Brown or grey, occasionally black, cracking clays	Brigalow, belah, wilga, shrubby forest, a belah forest of poplar box shrubby woodland may occur on lower slopes, extensively cleared	14 126
5c	Undulating to steep, low sandstone hills and rises	Red non-cracking clays and grey or black cracking clays	Softwood scrub and brigalow forest, partly cleared	8 100
Rolling downs				
6a	Undulating siltstone and mudstone rises	Brown or red cracking clays	Poplar box grassy open woodland	19 477
6b	Undulating rises on fine-grained sediments	Black and brown or red cracking clays	Open grassland with scattered poplar box and silver-leaved ironbark on crests and upper slopes, with coolibah and myall on lower slopes and valley flats	43 517
Ironbark/bull oak forests				
7a	Flat to gently undulating plains derived from weathered sandstone	Bleached sands over mottled, yellowish brown or brown and red clays	Open forest of bull oak, bull oak and cypress pine, or bull oak and narrow-leaved ironbark, partly cleared	258 065
7b	Undulating plains associated with alluvial slopes of lateritised sandstone hills	Bleached sands over mottled, yellowish brown clays, deep sands and very shallow, gravelly, red soils	Layered open forest of ironbarks, rusty gum, cypress pine and wattles	6 087
7c	Dissected, undulating sandstone rises with low hills	Bleached sands over mottled, yellowish brown or brown and red clays	Layered open forest of ironbarks, bull oak, cypress pine, wattles and rusty gum	7 241
Poplar box rises				
8a	Gently undulating plains to rises associated with the edges of the brigalow plains or the dissected, lateritised sandstone remnants; includes some local creek alluvia	Bleached loams or sands over brown, black or red clays or mottled, yellowish brown clays	Poplar box, false sandalwood shrubby woodland, partly cleared	164 736
8b	Gently undulating plains to undulating rises on sandstone	Bleached loams or sands over brown or mottled, grey and brown clays	Layered forest and shrubby woodland of poplar box, false sandalwood and some myall; or, a shrubby open forest of narrow-leaved ironbark, cypress pine, poplar box and false sandalwood; extensively cleared	16 293
Light forests				
9a	Undulating plains and rises, often lateritised	Very shallow, gravelly, red soils, bleached sands over mottled, yellowish brown clays and shallow or deep, sands and loams grading to red loams or clays	Shrubby woodland and layered open forest of ironbarks, bull oak, wattles, cypress pine and Queensland peppermint, with poplar box on the deeper soils	180 283
9b	Plateaus and low sandstone hills to undulating plains, lateritic scarps are common	Very shallow, gravelly, red soils and shallow, gravelly, texture contrast soils	Layered open forest of ironbarks and wattles	559 226
9c	Steep sandstone hills and scarps with rock outcrops	Very shallow, gravelly, red soils	Open forest of ironbarks, spotted gum, rusty gum and cypress pine	8 983
Granite hills				
10a	Undulating to steep granite hills	Sands over yellow, brown or red clays	Ironbarks and Queensland blue gum woodland, extensively cleared	70 429

NOTE

Two codes in a mapped area indicates a complex unit of two land resource areas which cannot be separated at the current mapping scale.

e.g. 4a/4b represents a complex unit which includes both 4a and 4b.

DPI Ref No 93-MWD-1-P3038