

Regional Ecosystem Technical Descriptions

Technical descriptions provide a detailed description of the full range in structure and floristic composition of regional ecosystems (e.g. 9.10.3) and their component vegetation communities (e.g. 9.10.3a, 9.10.3b).

The descriptions are compiled using site survey data from the Queensland Herbarium's CORVEG database. Distribution maps, representative images (if available) and the pre-clearing and remnant area (hectares) of each vegetation community derived from the regional ecosystem mapping (spatial) data are included. The technical descriptions should be used in conjunction with the fields from the regional ecosystem description database (REDD) for a full description of the regional ecosystem. Quantitative site data from relatively undisturbed sites are extracted from CORVEG and summarized to provide information specific to each vegetation community.

Technical descriptions include the attributes: tree canopy height and cover and native plant species composition of the predominant layer, which are used to assess the remnant status of vegetation under the *Vegetation Management Act 1999*. However, as technical descriptions reflect the full range in structure and floristic composition across the climatic, natural disturbance and geographic range of the regional ecosystem, local reference sites should be used where possible (Neldner *et al.* 2012 section 3.3.1).

The technical descriptions are subject to review and are updated as additional data becomes available.

When conducting a BioCondition assessment, these technical descriptions should be used in conjunction with [BioCondition benchmarks](#) for the specific regional ecosystem, or component vegetation community.

Field definitions

Description	Description of the species, structural formation and habitat of the vegetation community (this is not the Regulation description)
Area of pre-clearing regional ecosystem	The area of the regional ecosystem vegetation community before clearing in hectares
Area of remnant RE and percentage remaining	The area of the remnant regional ecosystem vegetation community in hectares and as a percentage of pre-clearing extent
Species recorded	Total number; number of woody species; number in the ground layer (some species can be both woody and occur in the ground layer); average number of species per site (using only sites where a completed species list was recorded); standard deviation; number of sites used to calculate the average species number.
Basal area	Site average, range and standard deviation (m ² /hectare)
Structural Formation	Percentage of sites by structural formation. For example: Woodland: 39%; open-forest: 39%; open-woodland: 22%, 23 site(s)
Representative CORVEG sites	Site (id) numbers used in the description
For each stratum present: - Emergent (E) - Canopy (T1), Sub-canopy (T2) and Low tree layers (T3) - Shrub (S1) and Sub-shrub layers (S2) - Ground (G)	<i>Height</i> - average canopy height in metres, range in metres and number of sites values are based on. <i>Cover</i> - Average percentage canopy cover of the layer, range and number of sites values are based on. <i>Average stem density</i> (stems per hectare), range and number of sites values are based on.
Dominant species (relative cover, frequency):	Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum. For example: <i>Abutilon albescens</i> (78, 46%), means this species occurs in 46% of all sites and when it occurs comprises 78% of total cover (of the stratum)
Frequent species (cover, frequency):	Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. For example: <i>Abutilon albescens</i> (10, 46%), means this species occurs in 46% of all sites and when it occurs has a mean cover of 10% Ground layer species are listed as either graminoid or forbs. Naturalised species have an asterisk (*) after the scientific name. <i>indet.</i> after listed name = indeterminate species or genus



QUEENSLAND GOVERNMENT

Department of Science, Information Technology, Innovation and the Arts

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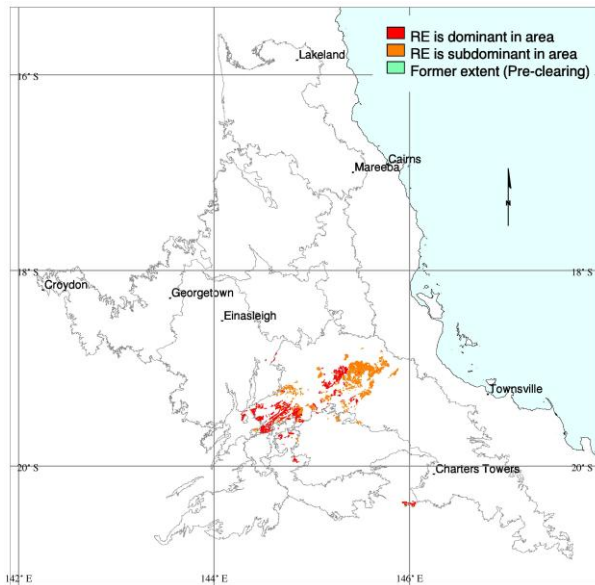
Users should reference information contained in the technical descriptions as: Addicott, E.P. and Newton, M. (ed.) (year*) Technical Descriptions of Regional Ecosystems of the Einasleigh Uplands, (month, year*) (Queensland Herbarium, Department of Science, Information Technology, Innovation and the Arts: Brisbane). * Date shown in footnote of individual descriptions.

While every effort has been made to ensure the information presented is as reliable as possible, the State of Queensland accepts no liability and gives no assurance in respect of its accuracy and shall not be liable for any loss or damage arising from its use.

Technical descriptions are based on a combination of quantitative and qualitative information and should be used as a guide only. Technical descriptions are not to be used as a substitute for reference sites. Descriptions are subject to review and are updated as additional data becomes available.

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Eucalyptus melanophloia +/- E. persistens +/- E. crebra low woodland on skeletal soils of slopes and crests of undulating rises and low hills


M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 96,554 94,550 98%

Species recorded: Total: 86; woody: 20; ground: 67; Avg. spp./site: 33.7; std dev.: 7.4, 3 site(s)

Basal area: Avg./site: 5.5 m²/ha, range: 1.0 - 10 m²/ha, std. deviation: 4 m²/ha, 3 site(s)

Structural formation: Low woodland: 67%; low open-woodland: 33%, 3 site(s)

Representative sites: 26041, 26689, 27034.

Stratum: E

Height avg. = 15.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (100, 33%)

Frequent species (cover, frequency): Eucalyptus crebra (33%)

Stratum: T1

Height avg. = 7.3m, range 6-8m, 3 sites

Crown cover avg. = 16.1%, range 9.8-22.5%, 3 sites

Stem density/ha avg. = 193, range 80-300, 3 sites

Dominant species (relative cover, frequency): Eucalyptus melanophloia (100, 67%), Eucalyptus shirleyi (97, 33%), Corymbia peltata (2, 33%)

Frequent species (cover, frequency): Corymbia dallachiana (67%), Eucalyptus melanophloia (19, 67%), Acacia julifera subsp. gilbertensis (33%), Bursaria incana (33%), Corymbia peltata (33%), Erythroxylum ellipticum (33%), Eucalyptus crebra (33%), Eucalyptus persistens (33%), Eucalyptus shirleyi (9, 33%), Grevillea glauca (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

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Stratum: T2

Height avg. = 2.0m, 1 site

Crown cover avg. = 1.6%, 1 site

Stem density/ha avg. = 160, 1 site

*Dominant species (relative cover, frequency): Eucalyptus melanophloia (73, 33%), Dolichandrone heterophylla (27, 33%)**Frequent species (cover, frequency): Dolichandrone heterophylla (1, 33%), Eucalyptus melanophloia (2, 33%)***Stratum: S1**

Height avg. = 1.0m, range 0.6-1.5m, 3 sites

Crown cover avg. = 0.4%, range 0.0-0.6%, 3 sites

Stem density/ha avg. = 490, range 100-880, 2 sites

*Dominant species (relative cover, frequency): Sida hackettiana (85, 33%), Dodonaea physocarpa (50, 33%), Eucalyptus melanophloia (26, 67%), Petalostigma pubescens (25, 33%), Maytenus cunninghamii (25, 33%)**Frequent species (cover, frequency): Eucalyptus melanophloia (67%), Alphitonia excelsa (33%), Carissa lanceolata (33%), Clerodendrum floribundum (33%), Dodonaea physocarpa (1, 33%), Eucalyptus persistens (33%), Grewia retusifolia (33%), Hibiscus meraukensis (33%), Maytenus cunninghamii (33%), Petalostigma pubescens (33%), Sida hackettiana (1, 33%)***Stratum: G**

Height avg. = 0.5m, range 0.3-0.6m, 3 sites

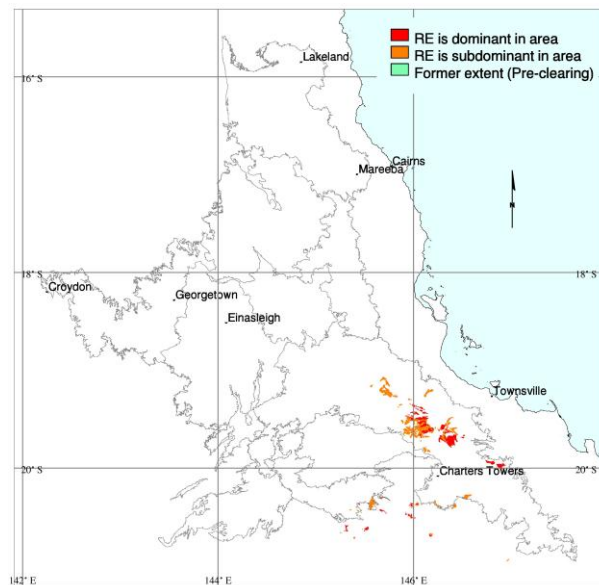
PFC avg. = 65.3%, range 58-70%, 3 sites

*Dominant species (relative cover, frequency): Bothriochloa decipiens (60, 67%), Schizachyrium indet. (54, 33%), Arundinella indet. (17, 33%), Eragrostis interrupta (11, 33%), Aristida muricata (11, 33%)**Frequent species (cover, frequency): GRAMINOIDS: Melinis repens* (100%), Bothriochloa decipiens (43, 67%), Cymbopogon bombycinus (1, 67%), Eragrostis exigua (1, 67%), Heteropogon contortus (2, 67%), Themeda triandra (3, 67%), Alloteropsis cimicina (33%), Aristida calycina (2, 33%), Aristida indet. (3, 33%), Aristida muricata (8, 33%), Aristida queenslandica (2, 33%), Arundinella indet. (10, 33%), Bothriochloa indet. (1, 33%), Chloris virgata* (33%), Cyperus gracilis (5, 33%), Cyperus squarrosus (33%), Digitaria brownii (2, 33%), Digitaria ciliaris* (33%), Enneapogon lindleyanus (33%), Enneapogon polyphyllus (33%), Eragrostis indet. (33%), Eragrostis interrupta (8, 33%), Eriochloa indet. (33%), Heteropogon triticeus (2, 33%), Mnesithea formosa (33%), Panicum effusum var. effusum (6, 33%), Panicum indet. (5, 33%), Perotis rara (33%), Sarga plumosum (33%), Schizachyrium fragile (1, 33%), Schizachyrium indet. (32, 33%), Setaria indet. (33%)**FORBS: Cyanthillium cinereum (67%), Epaltes australis (1, 67%), Evolvulus alsinoides (67%), Zornia muriculata (1, 67%), Alternanthera denticulata (33%), Alternanthera nodiflora (33%), Blumea indet. (33%), Blumea saxatilis (33%), Cheilanthes indet. (33%), Dianella longifolia var. longifolia (33%), Dicliptera armata (33%), Fabaceae indet. (33%), Glycine indet. (33%), Grewia retusifolia (33%), Helichrysum indet. (1, 33%), Hypericum gramineum (33%), Indigofera linifolia (33%), Indigofera linnaei (33%), Indigofera pratensis (33%), Jacquemontia paniculata (33%), Lomandra indet. (33%), Melhania oblongifolia (33%), Mitrasacme indet. (33%), Oldenlandia mitrasacmoides (33%), Peripleura virgata (1, 33%), Phyllanthus collinus (33%), Phyllanthus virgatus (2, 33%), Polycarpha corymbosa (33%), Pterocaulon sphacelatum (33%), Solanum ellipticum (33%), Spermacoce brachystema (33%), Spermacoce indet. (33%), Stylosanthes scabra* (1, 33%), Wahlenbergia indet. (33%), Waltheria indica (33%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus melanophloia +/- Corymbia dallachiana low open-woodland on skeletal soils of slopes and crests of undulating rises

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 64,345 63,804 99%

Species recorded: Total: 69; woody: 31; ground: 39; Avg. spp./site: 20.5; std dev.: 1.7, 4 site(s)

Basal area: Avg./site: 5.5 m²/ha, range: 5.5 - 6 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Low open-woodland: 75%; woodland: 25%, 4 site(s)

Representative sites: 2634, 2645, 25606, 27090.

Stratum: T1

Height avg. = 8.3m, range 7-10m, 4 sites

Crown cover avg. = 21.1%, range 6.1-48.5%, 4 sites

Stem density/ha avg. = 100, 1 site

Dominant species (relative cover, frequency): Eucalyptus shirleyi (82, 50%), Eucalyptus melanophloia (67, 50%), Corymbia peltata (62, 25%), Corymbia setosa (14, 25%), Corymbia dallachiana (8, 50%)

Frequent species (cover, frequency): Corymbia dallachiana (1, 50%), Eucalyptus melanophloia (10, 50%), Eucalyptus shirleyi (10, 50%), Acacia indet. (1, 25%), Bursaria incana (25%), Corymbia clarksoniana (1, 25%), Corymbia peltata (25, 25%), Corymbia setosa (2, 25%), Eucalyptus crebra (25%), Eucalyptus persistens (1, 25%), Planchonia careya (25%), Terminalia aridicola (25%)

Stratum: T2

Height avg. = 2.5m, 1 site

Crown cover avg. = 6.1%, 1 site

Dominant species (relative cover, frequency): Petalostigma banksii (50, 25%), Grevillea parallela (50, 25%)

Frequent species (cover, frequency): Grevillea parallela (2, 25%), Petalostigma banksii (2, 25%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.0m, range 1-3m, 4 sites

Crown cover avg. = 3.2%, range 0.0-6.1%, 4 sites

Dominant species (relative cover, frequency): *Acacia holosericea* (72, 25%), *Jacksonia ramosissima* (35, 25%), *Bursaria incana* (28, 50%), *Dolichandrone heterophylla* (25, 25%), *Grewia* *indet.* (25, 25%)

Frequent species (cover, frequency): *Bursaria incana* (50%), *Maytenus cunninghamii* (50%), *Petalostigma banksii* (50%), *Platysace valida* (50%), *Acacia decora* (25%), *Acacia holosericea* (25%), *Acacia* *indet.* (25%), *Capparis canescens* (25%), *Carissa lanceolata* (25%), *Distichostemon dodecandrus* (25%), *Dodonaea lanceolata* var. *lanceolata* (25%), *Dolichandrone heterophylla* (25%), *Erythroxylum australe* (25%), *Grewia* *indet.* (25%), *Jacksonia ramosissima* (1, 25%), *Opuntia tomentosa** (25%), *Persoonia falcata* (25%), *Planchonia careya* (25%), *Pogonolobus reticulatus* (25%), *Psydrax oleifolia* (25%), *Waltheria indica* (25%)

Stratum: G

Height avg. = 0.9m, range 0.4-1m, 4 sites

PFC avg. = 38.5%, range 0-64%, 4 sites

Dominant species (relative cover, frequency): *Eriachne mucronata* (97, 25%), *Eriachne* *indet.* (55, 25%), *Drosera* *indet.* (28, 25%), *Stylosanthes* *indet.* (16, 50%), *Perotis rara* (13, 25%)

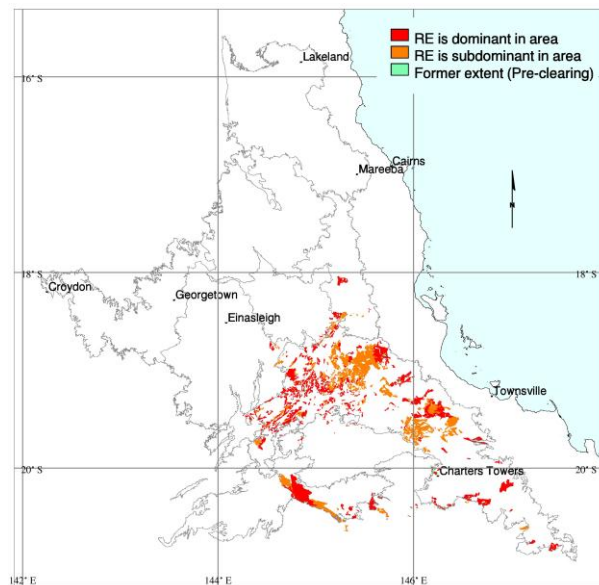
Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (4, 50%), *Schizachyrium fragile* (50%), *Aristida* *indet.* (6, 25%), *Aristida ingrata* (5, 25%), *Aristida pruinosa* (5, 25%), *Arundinella setosa* (25%), *Chrysopogon fallax* (25%), *Cymbopogon bombycinus* (25%), *Cyperus dactyloides* (25%), *Digitaria* *indet.* (1, 25%), *Eriachne* *indet.* (25, 25%), *Eriachne mucronata* (20, 25%), *Eriachne obtusa* (5, 25%), *Fimbristylis* *indet.* (25%), *Melinis repens** (6, 25%), *Panicum* *indet.* (1, 25%), *Perotis rara* (9, 25%), *Poaceae* *indet.* (25%), *Setaria surgens* (25%), *Triodia pungens* (25%)

FORBS: *Polycarpaea corymbosa* (50%), *Stylosanthes* *indet.* (11, 50%), *Asteraceae* *indet.* (25%), *Blumea saxatilis* (25%), *Cheilanthes sieberi* (25%), *Cheilanthes sieberi* subsp. *sieberi* (25%), *Chrysocephalum apiculatum* (25%), *Cyanthillium cinereum* (25%), *Drosera* *indet.* (20, 25%), *Eucalyptus melanophloia* (1, 25%), *Evolvulus alsinoides* (1, 25%), *Gomphrena* *indet.* (25%), *Hibiscus meraukensis* (25%), *Indigofera pratensis* (25%), *Ipomoea* *indet.* (25%), *Lomandra longifolia* (25%), *Malvastrum americanum** (25%), *Sida cordifolia** (25%), *Wahlenbergia gracilis* (25%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. *indet.* after listed name = indeterminate species or genus

Eucalyptus crebra +/- Corymbia dallachiana +/- C. erythrophloia woodland on metamorphic hills and rises

C. Kahler

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 317,878 311,024 98%

Species recorded: Total: 256; woody: 65; ground: 207; Avg. spp./site: 33.5; std dev.: 14.4, 11 site(s)

Basal area: Avg./site: 7.4 m²/ha, range: 2.0 - 15 m²/ha, std. deviation: 4 m²/ha, 14 site(s)

Structural formation: Woodland: 65%; open-woodland: 24%; low woodland: 6%; low open-woodland: 6%, 17 site(s)

Representative sites: 25818, 25819, 25827, 25834, 26047, 26242, 26243, 26244, 26250, 26271, 26621, 26624, 26658, 26662, 26786, 26924, 26949.

Stratum: T1

Height avg. = 13.4m, range 9-18.1m, 17 sites

Crown cover avg. = 20.9%, range 6.1-35.9%, 17 sites

Stem density/ha avg. = 100, range 40-160, 7 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (91, 100%), Corymbia dallachiana (10, 41%), Corymbia erythrophloia (10, 35%)

Frequent species (cover, frequency): Eucalyptus crebra (18, 100%), Corymbia dallachiana (2, 41%), Corymbia erythrophloia (3, 35%), Corymbia clarksoniana (12%), Cochlospermum gregorii (6%), Corymbia citriodora (6%), Corymbia lamprophylla (6%), Corymbia peltata (3, 6%), Corymbia polycarpa (6%), Corymbia tessellaris (6%), Eucalyptus brownii (6%), Eucalyptus leptophleba (1, 6%), Petalostigma pubescens (6%)

Stratum: T2

Height avg. = 6.7m, range 3-10m, 10 sites

Crown cover avg. = 6.9%, range 0.0-27.0%, 10 sites

Stem density/ha avg. = 188, range 20-420, 5 sites

Dominant species (relative cover, frequency): Corymbia erythrophloia (67, 35%), Eucalyptus crebra (19, 29%), Bursaria incana (16, 35%)

Frequent species (cover, frequency): Bursaria incana (1, 35%), Corymbia erythrophloia (4, 35%), Eucalyptus crebra (1, 29%), Corymbia dallachiana (1, 18%), Hakea arborescens (2, 18%), Acacia bidwillii (12%), Alphitonia excelsa (12%), Maytenus cunninghamii (12%), Acacia excelsa (6%), Acacia leptostachya (6, 6%), Alectryon oleifolius (6%), Alstonia constricta (6%), Archidendropsis basaltica (6%), Canthium indet. (6, 6%), Carissa lanceolata (6%), Cupaniopsis anacardioides (6%), Diospyros humilis (2, 6%), Euroschinus falcatus var. falcatus (1, 6%), Geijera salicifolia (6%), Grevillea glauca (6%), Grevillea parallela (6%), Hakea lorea subsp. lorea (6%), Persoonia falcata (6%), Petalostigma pubescens (6%), Santalum lanceolatum (6%), Xanthorrhoea johnsonii (1, 6%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.0m, range 1-4m, 15 sites

Crown cover avg. = 8.8%, range 0.0-61.4%, 15 sites

Stem density/ha avg. = 473, range 80-1080, 6 sites

Dominant species (relative cover, frequency): *Carissa lanceolata* (39, 29%), *Eucalyptus crebra* (27, 47%), *Maytenus cunninghamii* (26, 41%), *Corymbia erythrophloia* (19, 29%), *Grewia retusifolia* (8, 41%)

Frequent species (cover, frequency): *Eucalyptus crebra* (47%), *Grewia retusifolia* (41%), *Maytenus cunninghamii* (41%), *Carissa lanceolata* (1, 29%), *Corymbia erythrophloia* (29%), *Atalaya hemiglaucula* (18%), *Bursaria incana* (18%), *Grevillea parallela* (18%), *Hakea arborescens* (18%), *Acacia bidwillii* (12%), *Acacia indet.* (12%), *Breynia oblongifolia* (12%), *Capparis canescens* (12%), *Erythroxylum australe* (1, 12%), *Persoonia falcata* (12%), *Petalostigma pubescens* (12%), *Solanum ellipticum* (12%), *Acacia cowleana* (1, 6%), *Acacia decora* (6%), *Acacia julifera* subsp. *gilbertensis* (37, 6%), *Acacia leptostachya* (6%), *Amyema congener* (6%), *Carissa ovata* (10, 6%), *Cochlospermum gregorii* (6%), *Corymbia clarksoniana* (6%), *Corymbia peltata* (6%), *Dolichandrone heterophylla* (6%), *Ehretia membranifolia* (6%), *Erythroxylum ellipticum* (16, 6%), *Flueggea virosa* subsp. *melanthesoides* (6%), *Hakea lorea* (1, 6%), *Indigofera australis* (6%), *Indigofera pratensis* (6%), *Jacksonia ramosissima* (6%), *Notelaea microcarpa* (1, 6%), *Petalostigma banksii* (6%), *Pittosporum spinescens* (1, 6%), *Pogonolobus reticulatus* (6%), *Psydrax oleifolia* (6%), *Pterocaulon sphacelatum* (6%), *Sida hackettiana* (6%), *Tephrosia indet.* (6%), *Tephrosia purpurea* var. *sericea* (6%), *Terminalia aridicola* subsp. *chillagoensis* (6%), *Xanthorrhoea johnsonii* (6%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

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Stratum: G

Height avg. = 0.6m, range 0.4-1.3m, 11 sites

PFC avg. = 41.7%, range 5-79%, 11 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (20, 65%), *Melinis repens** (12, 24%), *Aristida* indet. (12, 24%), *Themeda triandra* (9, 47%), *Chrysopogon fallax* (8, 29%)

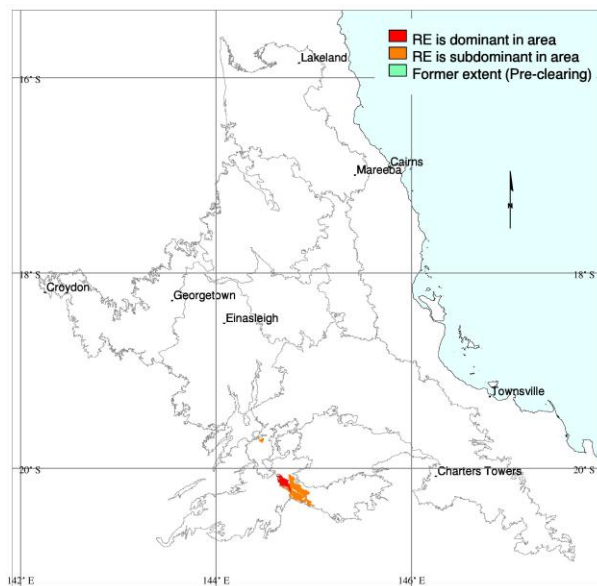
Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (8, 65%), *Themeda triandra* (3, 47%), *Heteropogon triticeus* (2, 35%), *Chrysopogon fallax* (2, 29%), *Enneapogon lindleyanus* (29%), *Aristida* indet. (6, 24%), *Cyperus fulvus* (24%), *Melinis repens** (6, 24%), *Bothriochloa decipiens* var. *cloncurrans* (15, 18%), *Dichanthium sericeum* subsp. *sericeum* (3, 18%), *Fimbristylis* indet. (18%), *Sarga plumosum* (2, 18%), *Aristida calycina* (1, 12%), *Aristida calycina* var. *calycina* (5, 12%), *Bothriochloa ewartiana* (12%), *Capillipedium spicigerum* (12%), *Cymbopogon bombycinus* (12%), *Digitaria* indet. (12%), *Eragrostis sororia* (8, 12%), *Eriachne mucronata* (12%), *Eulalia aurea* (12%), *Sehima nervosum* (2, 12%), *Sporobolus caroli* (12%), *Urochloa mosambicensis** (15, 12%), *Alloteropsis semialata* (1, 6%), *Ancistrachne uncinulata* (6%), *Aristida benthamii* var. *benthamii* (6%), *Aristida gracilipes* (6%), *Aristida holathera* var. *holathera* (6%), *Aristida inaequiglumis* (6%), *Aristida latifolia* (10, 6%), *Aristida leptopoda* (6%), *Arundinella nepalensis* (10, 6%), *Arundinella setosa* (10, 6%), *Bothriochloa decipiens* var. *decipiens* (20, 6%), *Bothriochloa* indet. (29, 6%), *Bothriochloa pertusa** (5, 6%), *Chloris virgata** (6%), *Chrysopogon* indet. (6%), *Cymbopogon* indet. (6%), *Cyperus exaltatus* (6%), *Dichanthium setosum* (6%), *Digitaria brownii* (6%), *Enneapogon* indet. (6%), *Enneapogon polyphyllus* (6%), *Enneapogon purpurascens* (3, 6%), *Eragrostis brownii* (6%), *Eragrostis leptostachya* (6%), *Eragrostis spartinioides* (6%), *Eriachne* indet. (1, 6%), *Panicum decompositum* (6%), *Panicum effusum* (6%), *Panicum effusum* var. *effusum* (6%), *Panicum* indet. (10, 6%), *Poaceae* indet. (6%), *Scleria brownii* (6%), *Scleria* indet. (1, 6%), *Scleria sphacelata* (1, 6%), *Scleria tricuspidata* (6%), *Setaria* indet. (6%), *Themeda quadrivalvis** (6%), *Triodia mitchellii* (6%), *Triodia pungens* (10, 6%), *Tripogon loliiformis* (6%)

FORBS: *Cyanthillium cinereum* (35%), *Melhania oblongifolia* (24%), *Crotalaria medicaginea* (18%), *Evolvulus alsinoides* (18%), *Grewia retusifolia* (1, 18%), *Indigofera linnaei* (1, 18%), *Phyllanthus virgatus* (18%), *Tephrosia filipes* (18%), *Wedelia spilanthis* (18%), *Bidens pilosa** (1, 12%), *Brunoniella australis* (12%), *Chamaecrista absus* var. *absus* (12%), *Crotalaria montana* (12%), *Desmodium brachypodum* (12%), *Desmodium filiforme* (12%), *Desmodium rhytidophyllum* (12%), *Emilia sonchifolia** (12%), *Galactia tenuiflora* (12%), *Hibiscus meraukensis* (12%), *Hybanthus enneaspermus* (12%), *Indigofera linifolia* (2, 12%), *Indigofera pratensis* (12%), *Lomandra multiflora* subsp. *multiflora* (12%), *Marsdenia viridiflora* (12%), *Pterocaulon redolens* (12%), *Rostellularia adscendens* (12%), *Sida hackettiana* (12%), *Spermacoce brachystema* (12%), *Spermacoce* indet. (12%), *Stylosanthes scabra** (12%), *Urania lagopodioides* (12%), *Zornia muriculata* subsp. *muriculata* (12%), *Acacia decora* (6%), *Achyranthes aspera* (6%), *Acmella grandiflora* var. *brachyglossa* (6%), *Alternanthera* indet. (6%), *Amyema bifurcata* (6%), *Blumea saxatilis* (6%), *Breynia oblongifolia* (6%), *Brunonia australis* (6%), *Brunoniella acaulis* (6%), *Brunoniella* indet. (6%), *Calotis cuneifolia* (6%), *Cheilanthes distans* (6%), *Cheilanthes* indet. (6%), *Cheilanthes sieberi* (6%), *Chrysocephalum apiculatum* (6%), *Commelina ensifolia* (6%), *Commelina lanceolata* (6%), *Conyza sumatrensis** (6%), *Crotalaria brevis* (6%), *Cucumis anguria* var. *anguria** (6%), *Desmodium* indet. (6%), *Dianella* indet. (6%), *Dianella longifolia* (6%), *Epaltes australis* (6%), *Eucalyptus crebra* (6%), *Euphorbia tannensis* (6%), *Euphorbiaceae* indet. (6%), *Galactia tenuiflora* forma *sericea* (2, 6%), *Glycine clandestina* (6%), *Glycine cyrtoloba* (6%), *Glycine tomentella* (6%), *Gomphrena celosioides** (6%), *Grevillea parallela* (6%), *Indigofera pratensis* var. *pratensis* (6%), *Ipomoea plebeia* (6%), *Ipomoea polymorpha* (6%), *Jacquemontia paniculata* (6%), *Jasminum didymum* (6%), *Lomandra confertifolia* subsp. *pallida* (6%), *Lomandra filiformis* (6%), *Lomandra longifolia* (6%), *Malvastrum americanum** (6%), *Maytenus cunninghamii* (6%), *Pandorea pandorana* (6%), *Parsonia straminea* (6%), *Peripleura bicolor* (1, 6%), *Peripleura hispidula* var. *hispidula* (6%), *Petalostigma pubescens* (6%), *Phyllanthus fuernrohrii* (6%), *Platysace valida* (6%), *Psydrax attenuata* (6%), *Pterocaulon sphacelatum* (6%), *Rhynchosia minima* (6%), *Rhynchosia minima* var. *minima* (17, 6%), *Rostellularia adscendens* var. *adscendens* (6%), *Rostellularia adscendens* var. *hispidula* (6%), *Secamone elliptica* (6%), *Sida acuta** (6%), *Sida cordifolia** (6%), *Sida* indet. (6%), *Sida spinosa** (6%), *Solanum* indet. (6%), *Stylosanthes hamata** (2, 6%), *Stylosanthes* indet. (6%), *Tephrosia dietrichiae* (6%), *Tephrosia juncea* (6%), *Thecanthes cornucopiae* (6%), *Tylophora erecta* (6%), *Wahlenbergia gracilis* (6%), *Waltheria indica* (6%), *Xenostegia tridentata* (6%), *Zornia muriculata* (6%), *Zornia muriculata* subsp. *angustata* (6%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus exilipes +/- Corymbia dallachiana open-woodland on metamorphic rises

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 24,134 24,132 100%

Species recorded: Total: 71; woody: 25; ground: 46; Avg. spp./site: 30.7; std dev.: 9.5, 3 site(s)

Basal area: Avg./site: 5.0 m²/ha, range: 5.0 - 5 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Open-woodland: 100%, 4 site(s)

Representative sites: 25832, 25836, 25839, 26261.

Stratum: T1

Height avg. = 14.0m, range 10-16m, 4 sites

Crown cover avg. = 10.0%, range 6.1-15.9%, 4 sites

Dominant species (relative cover, frequency): Eucalyptus exilipes (93, 100%), Corymbia dallachiana (10, 75%)

Frequent species (cover, frequency): Eucalyptus exilipes (8, 100%), Corymbia dallachiana (1, 75%), Corymbia grandifolia (25%)

Stratum: T2

Height avg. = 5.7m, range 4-7m, 3 sites

Crown cover avg. = 0.9%, range 0.6-1.6%, 3 sites

Dominant species (relative cover, frequency): Corymbia erythrophloia (42, 75%), Eucalyptus shirleyi (25, 25%), Alphitonia excelsa (20, 50%), Persoonia falcata (14, 25%), Acacia longispicata (14, 25%)

Frequent species (cover, frequency): Bursaria incana (75%), Corymbia erythrophloia (75%), Acacia bidwillii (50%), Alphitonia excelsa (50%), Acacia excelsa (25%), Acacia indet. (25%), Acacia longispicata (25%), Eucalyptus shirleyi (25%), Grevillea parallela (25%), Maytenus cunninghamii (25%), Persoonia falcata (25%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.6m, range 1-2m, 4 sites

Crown cover avg. = 1.4%, range 0.6-1.6%, 4 sites

Dominant species (relative cover, frequency): *Bursaria incana* (47, 25%), *Grewia retusifolia* (39, 75%), *Maytenus cunninghamii* (29, 75%), *Hovea longipes* (25, 25%), *Capparis canescens* (25, 25%)

Frequent species (cover, frequency): *Grewia retusifolia* (75%), *Maytenus cunninghamii* (75%), *Acacia decora* (25%), *Bursaria incana* (1, 25%), *Capparis canescens* (25%), *Eucalyptus exilipes* (25%), *Grevillea juncifolia* (25%), *Hakea chordophylla* (25%), *Hovea longipes* (25%), *Indigofera brevidens* var. *brevidens* (25%), *Indigofera hirsuta* (25%), *Maytenus disperma* (25%), *Trema tomentosa* var. *viridis* (25%), *Xanthorrhoea johnsonii* (25%)

Stratum: G

Height avg. = 0.6m, range 0.4-1m, 3 sites

PFC avg. = 20.0%, range 10-25%, 3 sites

Dominant species (relative cover, frequency): *Bothriochloa ewartiana* (46, 25%), *Themeda triandra* (38, 50%), *Cymbopogon refractus* (36, 25%), *Heteropogon contortus* (28, 75%), *Arundinella nepalensis* (18, 50%)

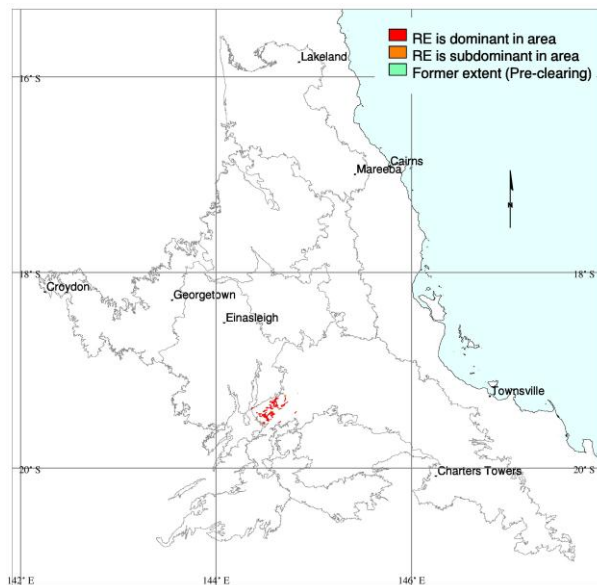
Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (5, 75%), *Sehima nervosum* (75%), *Aristida holathera* var. *holathera* (50%), *Arundinella nepalensis* (5, 50%), *Chrysopogon fallax* (50%), *Cymbopogon bombycinus* (50%), *Enneapogon lindleyanus* (50%), *Panicum effusum* var. *effusum* (50%), *Scleria brownii* (50%), *Themeda triandra* (10, 50%), *Aristida acuta* (25%), *Aristida jerichoensis* (25%), *Aristida macroclada* subsp. *queenslandica* (25%), *Aristida utilis* var. *utilis* (25%), *Bothriochloa ewartiana* (5, 25%), *Bulbostylis barbata* (25%), *Cymbopogon refractus* (10, 25%), *Dichanthium sericeum* subsp. *sericeum* (25%), *Digitaria* indet. (25%), *Enneapogon robustissimus* (25%), *Eriachne aristidea* (25%), *Eriachne mucronata* (25%), *Fimbristylis* indet. (25%), *Mnesithea formosa* (25%), *Schizachyrium fragile* (25%), *Thaumastochloa pubescens* (25%), *Tripogon loliiformis* (25%), *Urochloa holosericea* subsp. *holosericea* (25%)

FORBS: *Chrysocephalum apiculatum* (50%), *Dianella longifolia* (50%), *Brachychiton populneus* subsp. *trilobus* (25%), *Cheilanthes distans* (25%), *Cheilanthes sieberi* (25%), *Cyanthillium cinereum* (25%), *Hibiscus meraukensis* (25%), *Indigofera linnaei* (25%), *Lomandra multiflora* subsp. *multiflora* (25%), *Phyllanthus fuernrohrii* (25%), *Pterocaulon sphacelatum* (25%), *Rhynchosia minima* (25%), *Rostellularia adscendens* (25%), *Spermacoce brachystema* (25%), *Stylidium eglandulosum* (25%), *Tephrosia filipes* (25%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus whitei and/or E. crebra +/- Corymbia peltata woodland on metamorphic rises and footslopes

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 13,878 13,878 100%

Species recorded: Total: 38; woody: 8; ground: 34; Avg. spp./site: 24.0; std dev.: 2.0, 2 site(s)

Basal area: Avg./site: 7.4 m²/ha, range: 6.8 - 8 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

Structural formation: Woodland: 100%, 2 site(s)

Representative sites: 26952, 39404.

Stratum: T1

Height avg. = 13.0m, range 11-15m, 2 sites

Crown cover avg. = 33.5%, range 24.7-42.3%, 2 sites

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Eucalyptus whitei (100, 100%)

Frequent species (cover, frequency): Eucalyptus whitei (32, 100%), Corymbia dallachiana (50%), Corymbia erythrophloia (50%), Corymbia peltata (50%)

Stratum: T2

Height avg. = 6.0m, range 5-7m, 2 sites

Crown cover avg. = 4.4%, range 4.4-4.4%, 2 sites

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): Corymbia peltata (99, 50%), Eucalyptus whitei (50, 100%)

Frequent species (cover, frequency): Eucalyptus whitei (2, 100%), Brachychiton diversifolius (50%), Corymbia erythrophloia (50%), Corymbia peltata (6, 50%)

Stratum: S1

Height avg. = 1.5m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 80, 1 site

Dominant species (relative cover, frequency): Maytenus cunninghamii (33, 50%), Hakea lorea (33, 50%), Cycas indet. (33, 50%)

Frequent species (cover, frequency): Cycas indet. (50%), Hakea lorea (50%), Maytenus cunninghamii (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.7m, range 0.6-0.8m, 2 sites

PFC avg. = 79.0%, range 63-95%, 2 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (59, 50%), *Themeda triandra* (36, 100%), *Schizachyrium indet.* (22, 50%), *Heteropogon triticeus* (9, 100%), *Chrysopogon indet.* (8, 100%)

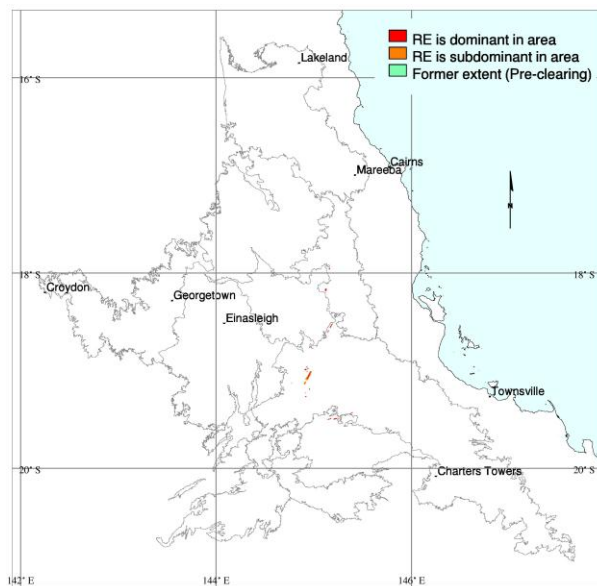
Frequent species (cover, frequency): GRAMINOIDS: *Bothriochloa decipiens* (100%), *Chrysopogon indet.* (8, 100%), *Heteropogon triticeus* (9, 100%), *Themeda triandra* (34, 100%), *Abildgaardia indet.* (50%), *Aristida indet.* (50%), *Arundinella indet.* (50%), *Cymbopogon indet.* (50%), *Enneapogon indet.* (50%), *Eragrostis indet.* (50%), *Heteropogon contortus* (39, 50%), *Melinis repens** (50%), *Panicum indet.* (50%), *Sarga plumosum* (5, 50%), *Schizachyrium indet.* (14, 50%), *Scleria indet.* (50%), *Setaria indet.* (50%)

FORBS: *Asteraceae indet.* (100%), *Glycine indet.* (100%), *Rostellularia adscendens* (100%), *Aeschynomene brevifolia* (50%), *Brunoniella indet.* (50%), *Desmodium rhytidophyllum* (50%), *Glycine latifolia* (50%), *Grewia retusifolia* (50%), *Indigofera pratensis* (50%), *Lomandra indet.* (50%), *Maytenus cunninghamii* (50%), *Mitrasacme indet.* (50%), *Phyllanthus indet.* (50%), *Stylosanthes indet.* (1, 50%), *Uria indet.* (50%), *Wahlenbergia caryophylloides* (50%), *Wedelia spilanthis* (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus crebra woodland on Serpentinite

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,653 3,297 90%

Species recorded: Total: 51; woody: 13; ground: 40; Avg. spp./site: 28.0; std dev.: 5.0, 2 site(s)

Basal area: Avg./site: 7.0 m²/ha, range: 6.0 - 8 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

Structural formation: Woodland: 100%, 2 site(s)

Representative sites: 26171, 26272.

Stratum: T1

Height avg. = 17.0m, range 14-20m, 2 sites

Crown cover avg. = 42.5%, range 27.0-58.0%, 2 sites

Stem density/ha avg. = 80, range 60-100, 2 sites

Dominant species (relative cover, frequency): *Eucalyptus granitica* (100, 50%), *Eucalyptus crebra* (100, 50%)

Frequent species (cover, frequency): *Corymbia clarksoniana* (50%), *Eucalyptus crebra* (27, 50%), *Eucalyptus granitica* (58, 50%)

Stratum: T2

Height avg. = 7.0m, 1 site

Crown cover avg. = 2.9%, 1 site

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): *Corymbia ellipsoidea* (98, 50%), *Corymbia clarksoniana* (1, 50%), *Acacia flavescens* (1, 50%)

Frequent species (cover, frequency): *Acacia flavescens* (50%), *Corymbia clarksoniana* (50%), *Corymbia ellipsoidea* (3, 50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 3.0m, range 3-3m, 2 sites

Crown cover avg. = 10.8%, range 9.8-11.8%, 2 sites

Stem density/ha avg. = 710, range 680-740, 2 sites

Dominant species (relative cover, frequency): *Acacia flavescens* (53, 100%), *Grevillea parallela* (38, 100%), *Eucalyptus granitica* (6, 50%), *Alphitonia* indet. (6, 50%), *Maytenus cunninghamii* (2, 50%)

Frequent species (cover, frequency): *Acacia flavescens* (5, 100%), *Grevillea parallela* (4, 100%), *Alphitonia* indet. (1, 50%), *Alphitonia pomaderroides* (50%), *Corymbia clarksoniana* (50%), *Corymbia ellipsoidea* (50%), *Eucalyptus crebra* (50%), *Eucalyptus granitica* (1, 50%), *Lantana camara** (50%), *Maytenus cunninghamii* (50%), *Trema tomentosa* var. *viridis* (50%)

Stratum: S2

Height avg. = 1.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Dominant species (relative cover, frequency): *Trema tomentosa* var. *viridis* (14, 50%), *Malvastrum americanum* var. *americanum** (14, 50%), *Grewia retusifolia* (14, 50%), *Grevillea parallela* (14, 50%), *Eucalyptus crebra* (14, 50%)

Frequent species (cover, frequency): *Acacia flavescens* (50%), *Alphitonia* indet. (50%), *Eucalyptus crebra* (50%), *Grevillea parallela* (50%), *Grewia retusifolia* (50%), *Malvastrum americanum* var. *americanum** (50%), *Trema tomentosa* var. *viridis* (50%)

Stratum: G

Height avg. = 0.6m, range 0.5-0.6m, 2 sites

PFC avg. = 50.5%, range 37-64%, 2 sites

Dominant species (relative cover, frequency): *Scleria* indet. (33, 50%), *Galactia* indet. (30, 50%), *Heteropogon contortus* (24, 100%), *Aristida calycina* (16, 50%), *Cyperaceae* indet. (11, 50%)

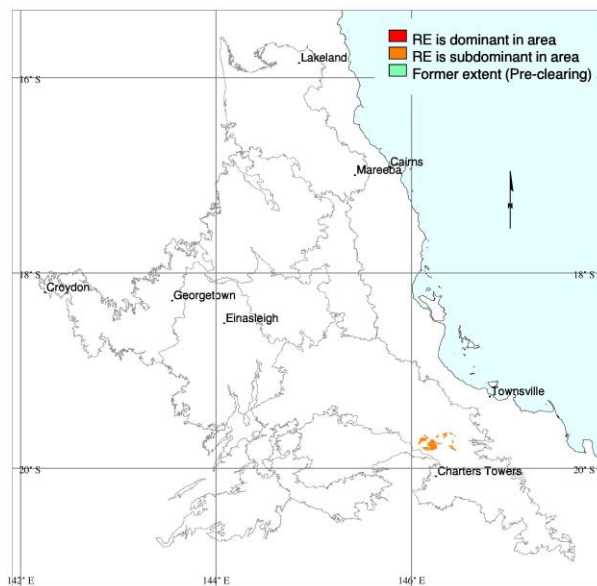
Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (14, 100%), *Aristida calycina* (10, 50%), *Aristida* indet. (50%), *Cyperaceae* indet. (7, 50%), *Digitaria* indet. (50%), *Imperata cylindrica* (50%), *Ischaemum* indet. (6, 50%), *Melinis repens** (1, 50%), *Panicum effusum* (1, 50%), *Scleria* indet. (16, 50%), *Sporobolus* indet. (50%), *Themeda triandra* (50%)

FORBS: *Achyranthes aspera* (5, 50%), *Angiosperm* indet. (50%), *Asteraceae* indet. (2, 50%), *Breynia oblongifolia* (50%), *Chamaesyce mitchelliana* (50%), *Crotalaria* indet. (50%), *Eucalyptus granitica* (2, 50%), *Evolvulus alsinoides* (50%), *Fabaceae* indet. (1, 50%), *Flemingia parviflora* (2, 50%), *Galactia* indet. (14, 50%), *Grewia retusifolia* (50%), *Hibiscus* indet. (50%), *Hibiscus meraukensis* (50%), *Indigofera* indet. (50%), *Lomandra* indet. (50%), *Pandorea pandorana* (50%), *Phyllanthus* indet. (50%), *Praxelis clematidea** (7, 50%), *Pterocaulon redolens* (50%), *Pterocaulon sphacelatum* (4, 50%), *Rostellularia adscendens* (50%), *Ruellia tuberosa** (50%), *Solanum* indet. (50%), *Spermacoce* indet. (50%), *Stylosanthes scabra** (50%), *Tephrosia filipes* (50%), *Zornia muelleriana* subsp. *muelleriana* (2, 50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus drepanophylla +/- Corymbia erythrophloia open-woodland on metamorphic rises

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,365 3,313 98%

Species recorded: Total: 22; woody: 7; ground: 15; Avg. spp./site: 22.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 2.5 m²/ha, range: 2.5 - 3 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Open-woodland: 100%, 1 site(s)

Representative sites: 27085.

Stratum: T1

Height avg. = 16.0m, 1 site

Crown cover avg. = 7.9%, 1 site

Stem density/ha avg. = 100, 1 site

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (100, 100%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (9, 100%)

Stratum: T2

Height avg. = 8.0m, 1 site

Crown cover avg. = 4.4%, 1 site

Stem density/ha avg. = 160, 1 site

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (100, 100%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (5, 100%), Melaleuca nervosa (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.5m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 220, 1 site

Dominant species (relative cover, frequency): Melaleuca nervosa (14, 100%), Indigofera pratensis (14, 100%), Grewia retusifolia (14, 100%), Eucalyptus drepanophylla (14, 100%), Dolichandrone heterophylla (14, 100%)

Frequent species (cover, frequency): Bursaria incana (100%), Carissa ovata (100%), Dolichandrone heterophylla (100%), Eucalyptus drepanophylla (100%), Grewia retusifolia (100%), Indigofera pratensis (100%), Melaleuca nervosa (100%)

Stratum: G

Height avg. = 0.5m, 1 site

PFC avg. = 54.0%, 1 site

Dominant species (relative cover, frequency): Aristida indet. (49, 100%), Bothriochloa pertusa (25, 100%), Melinis repens* (16, 100%), Stylosanthes indet. (7, 100%)*

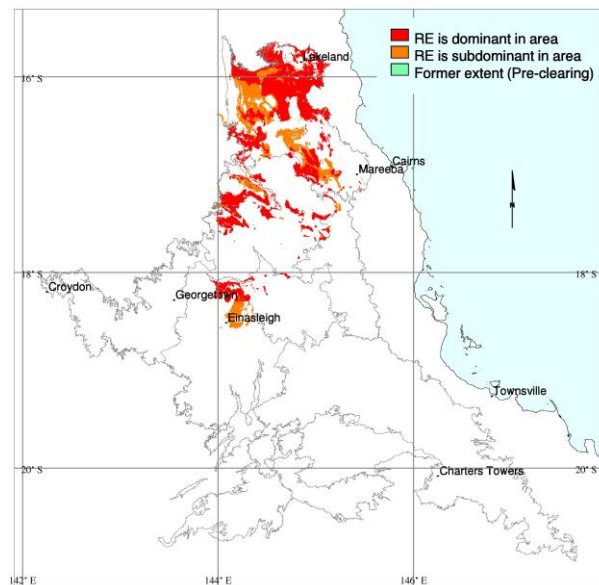
Frequent species (cover, frequency): GRAMINOIDS: Aristida indet. (27, 100%), Bothriochloa pertusa (14, 100%), Capillipedium parviflorum (100%), Fimbristylis indet. (100%), Heteropogon contortus (100%), Melinis repens* (9, 100%), Themeda triandra (100%)*

FORBS: Chenopodiaceae indet. (100%), Evolvulus alsinoides (100%), Hybanthus indet. (100%), Rostellularia adscendens (100%), Sauropus indet. (100%), Sida indet. (100%), Stylosanthes indet. (4, 100%), Wedelia indet. (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus cullenii +/- Corymbia clarksoniana woodland on flats, hills and ranges of metamorphic ranges

G. W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 640,503 635,747 99%

Species recorded: Total: 254; woody: 86; ground: 186; Avg. spp./site: 28.3; std dev.: 9.9, 21 site(s)

Basal area: Avg./site: 8.3 m²/ha, range: 4.0 - 17 m²/ha, std. deviation: 3 m²/ha, 15 site(s)

Structural formation: Woodland: 77%; open-woodland: 9%; low open-woodland: 9%; low woodland: 5%, 22 site(s)

Representative sites: 25745, 25746, 25855, 25861, 25864, 25867, 25927, 25936, 25937, 25948, 25969, 25975, 26089, 26118, 26181, 26518, 26771, 26835, 26836, 26908, 26970, 27072.

Stratum: E

Height avg. = 18.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Frequent species (cover, frequency): Corymbia indet. (5%)

Stratum: T1

Height avg. = 12.4m, range 6-18m, 22 sites

Crown cover avg. = 29.3%, range 4.4-52.4%, 22 sites

Stem density/ha avg. = 211, range 20-750, 20 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (91, 23%), Eucalyptus cullenii (64, 82%), Corymbia clarksoniana (22, 41%), Erythrophleum chlorostachys (21, 32%)

Frequent species (cover, frequency): Eucalyptus cullenii (16, 82%), Corymbia clarksoniana (6, 41%), Erythrophleum chlorostachys (4, 32%), Eucalyptus crebra (25, 23%), Corymbia hylandii (3, 18%), Melaleuca stenostachya (5, 18%), Corymbia dallachiana (2, 14%), Corymbia erythrophloia (5, 14%), Corymbia confertiflora (9%), Terminalia aridicola subsp. chillagoensis (9%), Corymbia indet. (2, 5%), Corymbia nesophila (5%), Corymbia stockeri subsp. stockeri (5%), Ehretia membranifolia (5%), Eucalyptus chartaboma (5%), Eucalyptus chlorophylla (5%), Eucalyptus leptophleba (5%), Eucalyptus microneura (5%), Eucalyptus tardecidens (5%), Grevillea coriacea (1, 5%), Grevillea glauca (5%), Grevillea striata (5%), Melaleuca citrolens (5%), Melaleuca viridiflora (1, 5%), Terminalia platyptera (5%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: T2

Height avg. = 6.6m, range 5-10m, 12 sites

Crown cover avg. = 4.1%, range 0.0-15.9%, 12 sites

Stem density/ha avg. = 149, range 40-350, 11 sites

Frequent species (cover, frequency): Eucalyptus cullenii (18%), Melaleuca stenostachya (1, 18%), Petalostigma pubescens (4, 18%), Corymbia clarksoniana (14%), Grevillea glauca (14%), Acacia aulacocarpa (9%), Acacia bidwillii (9%), Erythrophleum chlorostachys (9%), Grevillea coriacea (1, 9%), Grevillea parallela (9%), Maytenus cunninghamii (9%), Acacia hemignosta (5%), Acacia platycarpa (5%), Alphitonia pomaderroides (5%), Atalaya hemiglauca (5%), Bursaria incana (5%), Corymbia dallachiana (5%), Dolichandrone heterophylla (5%), Erythroxylum ellipticum (3, 5%), Eucalyptus crebra (5%), Eucalyptus tetradonta (5%), Grevillea striata (5%), Melaleuca viridiflora (5%), Persoonia falcata (5%), Petalostigma banksii (5%), Planchonia careya (5%), Terminalia platyptera (5%), Xylomelum scottianum (5%)

Stratum: S1

Height avg. = 2.0m, range 0.5-5m, 21 sites

Crown cover avg. = 3.8%, range 0.0-58.0%, 21 sites

Stem density/ha avg. = 1076, range 20-5125, 19 sites

Dominant species (relative cover, frequency): Petalostigma pubescens (32, 36%), Gardenia vilhelmii (26, 27%), Maytenus cunninghamii (23, 36%), Corymbia clarksoniana (17, 23%), Persoonia falcata (12, 27%)

Frequent species (cover, frequency): Eucalyptus cullenii (59%), Maytenus cunninghamii (36%), Petalostigma pubescens (36%), Gardenia vilhelmii (27%), Persoonia falcata (27%), Corymbia clarksoniana (23%), Grevillea parallela (23%), Acacia aulacocarpa (18%), Erythrophleum chlorostachys (18%), Erythroxylum ellipticum (18%), Melaleuca stenostachya (18%), Petalostigma banksii (18%), Santalum lanceolatum (2, 18%), Acacia nesophila (14%), Alphitonia pomaderroides (14%), Grevillea glauca (14%), Grewia retusifolia (14%), Planchonia careya (14%), Pogonolobus reticulatus (14%), Acacia indet. (9%), Brachychiton indet. (9%), Capparis indet. (9%), Carissa lanceolata (9%), Distichostemon dodecandrus (9%), Dodonaea physocarpa (9%), Grevillea dryandri (9%), Grevillea mimosoides (9%), Jacksonia thesioides (9%), Melaleuca viridiflora (4, 9%), Terminalia aridicola subsp. chillagoensis (9%), Xanthorrhoea johnsonii (9%), Xylomelum scottianum (9%), Acacia bidwillii (5%), Acacia calyculata (5%), Acacia hemignosta (5%), Acacia holosericea (5%), Acacia humifusa (5%), Acacia julifera subsp. julifera (5%), Acacia multisiliqua (5%), Acacia umbellata (5%), Allocasuarina littoralis (5%), Alphitonia excelsa (5%), Atalaya hemiglauca (5%), Capparis canescens (5%), Carissa indet. (5%), Cassia indet. (5%), Cayratia trifolia (5%), Corchorus indet. (5%), Corymbia nesophila (5%), Dodonaea indet. (5%), Dodonaea platyptera (5%), Dolichandrone heterophylla (5%), Ehretia membranifolia (5%), Eremophila bignoniiflora (5%), Erythrina vespertilio (5%), Eucalyptus crebra (5%), Eucalyptus tetradonta (5%), Gardenia indet. (5%), Grevillea coriacea (5%), Grevillea striata (5%), Helicteres indet. (5%), Indigofera pratensis (5%), Lamprolobium fruticosum (38, 5%), Melaleuca citrolens (5%), Petalostigma indet. (5%), Phyllanthus indet. (5%), Pouteria pohlmanniana (5%), Sauropus indet. (5%), Sida indet. (5%), Stylosanthes indet. (5%), Terminalia aridicola subsp. aridicola (5%), Terminalia platyptera (5%), Wrightia saligna (5%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.4m, range 0.1-1m, 21 sites

PFC avg. = 33.2%, range 0-72%, 21 sites

Dominant species (relative cover, frequency): Themeda triandra (28, 77%), Aristida indet. (20, 50%), Schizachyrium fragile (17, 32%), Schizachyrium indet. (17, 36%), Heteropogon contortus (15, 64%)

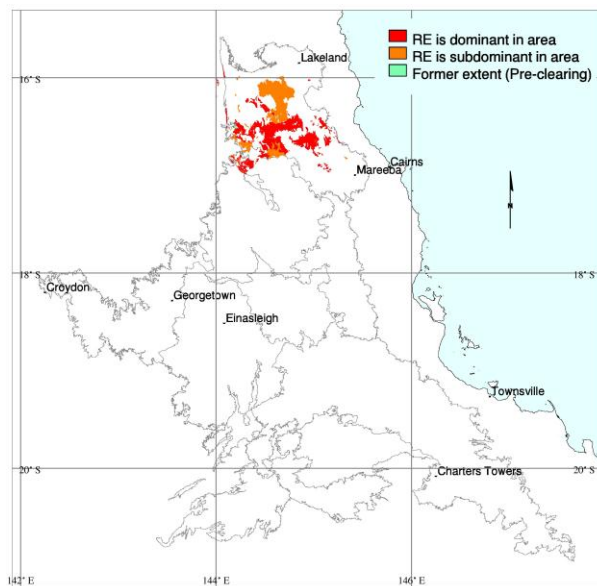
Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (9, 77%), Heteropogon contortus (7, 64%), Heteropogon triticeus (4, 64%), Aristida indet. (7, 50%), Sarga plumosum (1, 45%), Panicum indet. (1, 36%), Schizachyrium indet. (6, 36%), Schizachyrium fragile (5, 32%), Arundinella setosa (1, 27%), Cymbopogon indet. (1, 23%), Arundinella indet. (5, 18%), Enneapogon lindleyanus (1, 18%), Scleria indet. (18%), Cymbopogon bombycinus (3, 14%), Eragrostis indet. (1, 14%), Eriachne indet. (14%), Melinis repens (14%), Poaceae indet. (9, 14%), Alloteropsis semialata (1, 9%), Cymbopogon ambiguus (1, 9%), Themeda quadrivalvis* (9%)*

FORBS: Indigofera pratensis (1, 41%), Cyathium cinereum (32%), Phyllanthus indet. (27%), Phyllanthus virgatus (27%), Cheilanthes indet. (23%), Pterocaulon redolens (23%), Spermacoce indet. (1, 23%), Evolvulus alsinoides (18%), Grewia retusifolia (18%), Stylosanthes indet. (18%), Stylosanthes scabra (18%), Crotalaria medicaginea (14%), Crotalaria montana (14%), Desmodium indet. (14%), Heliotropium indet. (14%), Hibiscus meraukensis (14%), Hyptis suaveolens* (1, 14%), Indigofera linifolia (14%), Indigofera linnaei (14%), Lomandra indet. (1, 14%), Rostellularia adscendens (14%), Spermacoce brachystema (14%), Tephrosia juncea (14%), Zornia indet. (1, 14%), Zornia muriculata (14%), Achyranthes aspera (9%), Asteraceae indet. (2, 9%), Buchnera indet. (9%), Buchnera linearis (9%), Capparis indet. (9%), Cayratia trifolia (9%), Chamaecrista absus var. absus (9%), Desmodium rhytidophyllum (9%), Fabaceae indet. (2, 9%), Flemingia parviflora (9%), Glycine indet. (9%), Hybanthus enneaspermus (1, 9%), Neptunia indet. (9%), Polycarpaea corymbosa (9%), Sida indet. (9%), Stylidium indet. (1, 9%), Tephrosia filipes (9%), Tephrosia leptoclada (1, 9%), Uraria indet. (1, 9%), Uraria lagopodioides (1, 9%), Xenostegia tridentata (9%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus cullenii +/- Corymbia hylandii low open-woodland on metamorphic hills and ranges

G.W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 182,744 181,322 99%

Species recorded: Total: 134; woody: 27; ground: 108; Avg. spp./site: 32.0; std dev.: 18.3, 7 site(s)

Basal area: Avg./site: 7.8 m²/ha, range: 3.0 - 15 m²/ha, std. deviation: 3 m²/ha, 8 site(s)

Structural formation: Open-woodland: 38%; woodland: 25%; low open-woodland: 25%; low woodland: 13%, 8 site(s)

Representative sites: 26146, 26344, 26768, 26837, 26838, 27065, 27066, 27067.

Stratum: T1

Height avg. = 9.9m, range 9-12m, 8 sites

Crown cover avg. = 11.8%, range 0.6-29.2%, 8 sites

Stem density/ha avg. = 112, range 20-320, 5 sites

Dominant species (relative cover, frequency): Eucalyptus cullenii (79, 100%), Corymbia clarksoniana (25, 25%), Corymbia hylandii (14, 50%)

Frequent species (cover, frequency): Eucalyptus cullenii (7, 100%), Corymbia hylandii (50%), Corymbia clarksoniana (3, 25%), Corymbia confertiflora (25%), Corymbia dallachiana (13%), Erythrophleum chlorostachys (8, 13%), Eucalyptus leptophleba (13%), Melaleuca citrolens (13%), Terminalia platyptera (2, 13%)

Stratum: T2

Height avg. = 4.4m, range 4-6m, 5 sites

Crown cover avg. = 7.3%, range 0.0-27.0%, 5 sites

Stem density/ha avg. = 290, range 20-480, 4 sites

Dominant species (relative cover, frequency): Eucalyptus cullenii (51, 63%), Petalostigma banksii (41, 38%), Terminalia aridicola subsp. chillagoensis (31, 25%), Melaleuca citrolens (9, 25%), Erythroxylum ellipticum (1, 25%)

Frequent species (cover, frequency): Eucalyptus cullenii (2, 63%), Corymbia hylandii (38%), Petalostigma banksii (7, 38%), Erythroxylum ellipticum (25%), Maytenus cunninghamii (25%), Melaleuca citrolens (25%), Terminalia aridicola subsp. chillagoensis (1, 25%), Acacia sutherlandii (13%), Cochlospermum gillivraei (1, 13%), Dolichandrone heterophylla (13%), Terminalia aridicola subsp. aridicola (13%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.1m, range 1-3m, 8 sites

Crown cover avg. = 1.5%, range 0.0-4.4%, 8 sites

Stem density/ha avg. = 380, range 120-580, 3 sites

Dominant species (relative cover, frequency): *Gardenia vilhelmii* (30, 38%), *Terminalia platyptera* (29, 25%), *Petalostigma banksii* (28, 50%), *Eucalyptus cullenii* (24, 50%), *Maytenus cunninghamii* (18, 63%)

Frequent species (cover, frequency): *Maytenus cunninghamii* (63%), *Eucalyptus cullenii* (50%), *Petalostigma banksii* (50%), *Carissa lanceolata* (38%), *Gardenia vilhelmii* (1, 38%), *Santalum lanceolatum* (25%), *Terminalia aridicola* subsp. *aridicola* (25%), *Terminalia platyptera* (1, 25%), *Acacia sutherlandii* (13%), *Alphitonia pomaderroides* (1, 13%), *Corymbia confertiflora* (13%), *Corymbia dallachiana* (13%), *Corymbia hylandii* (1, 13%), *Dodonaea viscosa* (13%), *Dolichandrone heterophylla* (13%), *Ehretia membranifolia* (13%), *Erythrophleum chlorostachys* (13%), *Lysiphyllum* indet. (1, 13%), *Melaleuca acacioides* (13%), *Melaleuca citrolens* (13%), *Melaleuca monantha* (13%), *Terminalia aridicola* subsp. *chillagoensis* (13%), *Wrightia* indet. (13%)

Stratum: G

Height avg. = 0.5m, range 0.2-0.7m, 7 sites

PFC avg. = 47.4%, range 0-80%, 7 sites

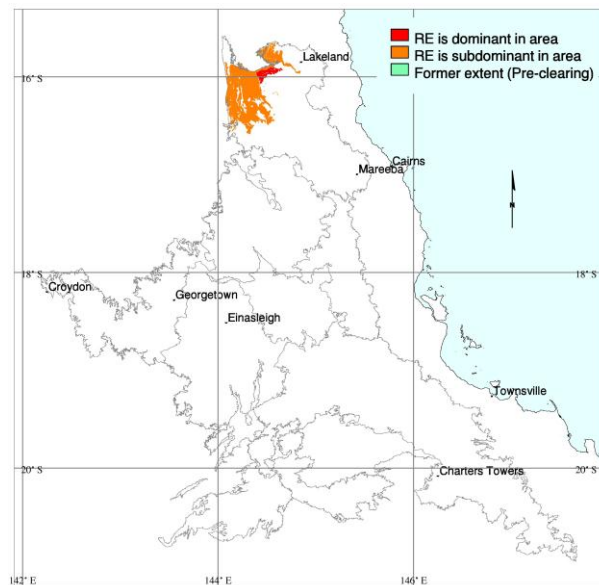
Dominant species (relative cover, frequency): *Schizachyrium fragile* (28, 75%), *Hyptis suaveolens** (25, 25%), *Eragrostis* indet. (23, 25%), *Heteropogon contortus* (19, 88%), *Sarga plumosum* (12, 38%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (10, 88%), *Schizachyrium fragile* (18, 75%), *Themeda triandra* (2, 63%), *Chrysopogon fallax* (1, 38%), *Heteropogon triticeus* (1, 38%), *Mnesithea formosa* (1, 38%), *Poaceae* indet. (38%), *Sarga plumosum* (5, 38%), *Themeda arguens* (38%), *Aristida hygrometrica* (1, 25%), *Aristida* indet. (1, 25%), *Aristida ingrata* (4, 25%), *Enneapogon lindleyanus* (1, 25%), *Eragrostis* indet. (15, 25%), *Fimbristylis dichotoma* (1, 25%), *Panicum* indet. (25%), *Alloteropsis semialata* (13%), *Aristida calycina* (1, 13%), *Aristida holathera* (13%), *Aristida holathera* var. *holathera* (13%), *Aristida jerichoensis* (13%), *Aristida perniciosa* (8, 13%), *Aristida pruinosa* (13%), *Arundinella setosa* (13%), *Bothriochloa* indet. (13%), *Cymbopogon bombycinus* (13%), *Dichanthium fecundum* (8, 13%), *Digitaria ammophila* (13%), *Digitaria gibbosa* (13%), *Enneapogon* indet. (13%), *Eragrostis spartinoides* (13%), *Eragrostis tenellula* (13%), *Eriachne obtusa* (13%), *Panicum effusum* (13%), *Panicum seminudum* var. *cairnsianum* (1, 13%), *Scleria brownii* (13%), *Setaria surgens* (13%), *Sporobolus* indet. (13%), *Themeda quadrivalvis** (13%), *Urochloa holosericea* subsp. *holosericea* (13%)
FORBS: *Cayratia trifolia* (38%), *Chamaecrista absus* var. *absus* (38%), *Crotalaria medicaginea* (1, 38%), *Crotalaria montana* (38%), *Indigofera pratensis* (1, 38%), *Ipomoea polymorpha* (1, 38%), *Polymeria ambigua* (38%), *Sida* indet. (38%), *Sida spinosa** (38%), *Buchnera linearis* (25%), *Evolvulus alsinoides* (25%), *Galactia tenuiflora* (1, 25%), *Hybanthus enneaspermus* (25%), *Hyptis suaveolens** (20, 25%), *Indigofera linnaei* (3, 25%), *Melhanian oblongifolia* (25%), *Phyllanthus* indet. (25%), *Polygala* indet. (25%), *Pterocaulon redolens* (25%), *Rostellularia adscendens* (25%), *Xenostegia tridentata* (25%), *Alysicarpus schomburgkii* (13%), *Amyema* indet. (13%), *Cassytha filiformis* (13%), *Chamaesyce* indet. (13%), *Chamaesyce schultzii* (13%), *Chamaesyce vachellii* (13%), *Cheilanthes* indet. (13%), *Cheilanthes nitida* (13%), *Cheilanthes nudiuscula* (13%), *Corchorus aestuans* (13%), *Cyanthillium cinereum* (13%), *Desmodium filiforme* (13%), *Desmodium* indet. (13%), *Dodonaea physocarpa* (1, 13%), *Glycine* indet. (13%), *Goodenia armitiana* (13%), *Goodenia pilosa* (13%), *Gossypium nelsonii* (13%), *Grewia retusifolia* (13%), *Heliotropium collinum* (1, 13%), *Heliotropium* indet. (13%), *Heliotropium peninsulare* (13%), *Hibiscus meraukensis* (13%), *Indigostrum parviflorum* (13%), *Indigofera colutea* (13%), *Indigofera hirsuta* (13%), *Ipomoea graminea* (1, 13%), *Jacquemontia* sp. (Fairview R.W.Johnson 4026) (13%), *Mitrasacme* indet. (13%), *Mitrasacme nudicaulis* var. *nudicaulis* (13%), *Neptunia dimorphantha* (13%), *Oldenlandia mitrasacmoides* subsp. *mitrasacmoides* (13%), *Petalostigma banksii* (13%), *Polycarpha corymbosa* var. *corymbosa* (13%), *Polygala wightiana* (13%), *Pterocaulon sphacelatum* (13%), *Rhynchosia* indet. (13%), *Sauropus* indet. (13%), *Spermacoce brachystema* (1, 13%), *Stylosanthes scabra** (13%), *Tephrosia juncea* (13%), *Tephrosia leptoclada* (1, 13%), *Trachymene bivestita* var. *bivestita* (13%), *Vigna* indet. (13%), *Waltheria indica* (13%), *Zornia muriculata* (13%), *Zornia muriculata* subsp. *angustata* (13%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus staigeriana +/- E. cullenii +/- Corymbia hylandii low open-woodland on metamorphic hills

G. W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 45,105 44,946 100%

Species recorded: Total: 38; woody: 14; ground: 27; Avg. spp./site: 21.0; std dev.: 5.0, 2 site(s)

Basal area: Avg./site: 7.5 m²/ha, range: 6.0 - 9 m²/ha, std. deviation: 2 m²/ha, 2 site(s)

Structural formation: Woodland: 50%; low open-woodland: 50%, 2 site(s)

Representative sites: 26966, 40836.

Stratum: T1

Height avg. = 12.5m, range 12-13m, 2 sites

Crown cover avg. = 26.2%, range 7.9-44.4%, 2 sites

Stem density/ha avg. = 260, range 260-260, 2 sites

Dominant species (relative cover, frequency): Eucalyptus staigeriana (97, 100%), Corymbia hylandii (3, 100%)

Frequent species (cover, frequency): Corymbia hylandii (1, 100%), Eucalyptus staigeriana (24, 100%), Corymbia dallachiana (50%), Erythrophleum chlorostachys (50%), Eucalyptus megasepala (50%), Tephrosia indet. (50%)

Stratum: T2

Height avg. = 5.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Corymbia hylandii (77, 50%), Petalostigma banksii (19, 50%), Eucalyptus staigeriana (2, 50%), Eucalyptus megasepala (2, 50%)

Frequent species (cover, frequency): Corymbia hylandii (1, 50%), Eucalyptus megasepala (50%), Eucalyptus staigeriana (50%), Petalostigma banksii (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.3m, range 1-1.5m, 2 sites

Crown cover avg. = 0.6%, range 0.6-0.6%, 2 sites

Stem density/ha avg. = 250, range 240-260, 2 sites

Dominant species (relative cover, frequency): Eucalyptus staigeriana (49, 100%), Corymbia hylandii (31, 100%), Santalum lanceolatum (6, 50%), Petalostigma banksii (6, 50%), Melaleuca stenostachya (6, 50%)

Frequent species (cover, frequency): Corymbia hylandii (100%), Eucalyptus staigeriana (100%), Acacia bidwillii (50%), Capparis indet. (50%), Dolichandrone heterophylla (50%), Eucalyptus megasepala (50%), Grevillea dryandri (50%), Indigofera pratensis (50%), Melaleuca stenostachya (50%), Petalostigma banksii (50%), Santalum lanceolatum (50%)

Stratum: G

Height avg. = 0.7m, range 0.5-0.8m, 2 sites

PFC avg. = 54.0%, range 46-62%, 2 sites

Dominant species (relative cover, frequency): Pseudopogonatherum contortum (53, 50%), Heteropogon triticeus (38, 100%), Themeda triandra (24, 100%), Arundinella setosa (4, 50%), Heteropogon contortus (3, 50%)

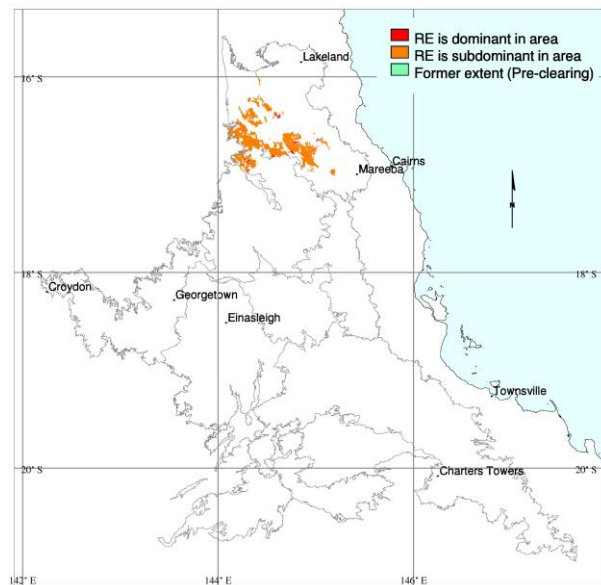
Frequent species (cover, frequency): GRAMINOIDS: Heteropogon triticeus (24, 100%), Themeda triandra (15, 100%), Alloteropsis semialata (50%), Aristida hygrometrica (1, 50%), Arundinella setosa (2, 50%), Cymbopogon bombycinus (50%), Heteropogon contortus (2, 50%), Pseudopogonatherum contortum (25, 50%), Sarga plumosum (1, 50%), Schizachyrium fragile (2, 50%), Setaria surgens (50%)

FORBS: Angiosperm indet. (50%), Brunoniella australis (50%), Cheilanthes indet. (50%), Clematicissus opaca (50%), Crotalaria calycina (50%), Crotalaria goreensis (50%), Cyanthillium cinereum (50%), Glycine indet. (50%), Goodenia armitiana (50%), Heliotropium indet. (50%), Hybanthus indet. (50%), Indigofera pratensis (50%), Phyllanthus indet. (50%), Phyllanthus virgatus (1, 50%), Polycarpha corymbosa (2, 50%), Stylosanthes scabra* (50%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Terminalia spp. +/- Melaleuca citrolens and/or M. stenostachya +/- Eucalyptus cullenii low woodland on footslopes of metamorphic hills


G. W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 38,245 37,705 99%

Species recorded: Total: 80; woody: 25; ground: 59; Avg. spp./site: 35.7; std dev.: 1.7, 3 site(s)

Basal area: Avg./site: 7.3 m²/ha, range: 4.0 - 12 m²/ha, std. deviation: 3 m²/ha, 3 site(s)

Structural formation: Woodland: 33%; low woodland: 33%; low open-woodland: 33%, 3 site(s)

Representative sites: 26945, 26948, 27000.

Stratum: E

Height avg. = 14.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Dominant species (relative cover, frequency): Eucalyptus leptophleba (100, 33%)

Frequent species (cover, frequency): Eucalyptus leptophleba (1, 33%)

Stratum: T1

Height avg. = 7.7m, range 6-10m, 3 sites

Crown cover avg. = 23.9%, range 4.4-40.2%, 3 sites

Stem density/ha avg. = 447, range 320-600, 3 sites

Dominant species (relative cover, frequency): Melaleuca stenostachya (99, 33%), Melaleuca citrolens (98, 33%), Eucalyptus cullenii (39, 67%), Terminalia platyptera (9, 67%), Corymbia hylandii (4, 33%)

Frequent species (cover, frequency): Eucalyptus cullenii (9, 67%), Terminalia platyptera (2, 67%), Brachychiton indet. (33%), Carissa lanceolata (33%), Corymbia clarksoniana (33%), Corymbia hylandii (1, 33%), Eucalyptus leptophleba (33%), Maytenus cunninghamii (33%), Melaleuca citrolens (6, 33%), Melaleuca stenostachya (40, 33%), Terminalia aridicola (33%), Terminalia aridicola subsp. chillagoensis (33%), Terminalia platyphylla (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.3m, range 1.5-3.5m, 3 sites

Crown cover avg. = 6.8%, range 0.6-18.1%, 3 sites

Stem density/ha avg. = 587, range 60-1300, 3 sites

Dominant species (relative cover, frequency): *Terminalia aridicola* (93, 33%), *Terminalia platyptera* (55, 67%), *Dolichandrone heterophylla* (14, 67%), *Lamprolobium fruticosum* (10, 33%), *Ehretia saligna* (10, 33%)

Frequent species (cover, frequency): *Maytenus cunninghamii* (100%), *Dolichandrone heterophylla* (67%), *Eucalyptus cullenii* (67%), *Gardenia vilhelmii* (67%), *Melaleuca stenostachya* (67%), *Petalostigma banksii* (67%), *Terminalia platyptera* (10, 67%), *Carissa lanceolata* (33%), *Dodonaea physocarpa* (33%), *Ehretia saligna* (33%), *Erythrophleum chlorostachys* (33%), *Erythroxylum ellipticum* (33%), *Grevillea parallela* (33%), *Grewia retusifolia* (33%), *Lamprolobium fruticosum* (33%), *Melaleuca viridiflora* (33%), *Santalum lanceolatum* (33%), *Terminalia aridicola* (2, 33%), *Terminalia aridicola subsp. chillagoensis* (33%), *Terminalia platyphylla* (33%)

Stratum: G

Height avg. = 0.6m, range 0.2-1m, 3 sites

PFC avg. = 36.7%, range 33-40%, 3 sites

Stem density/ha avg. = 280, 1 site

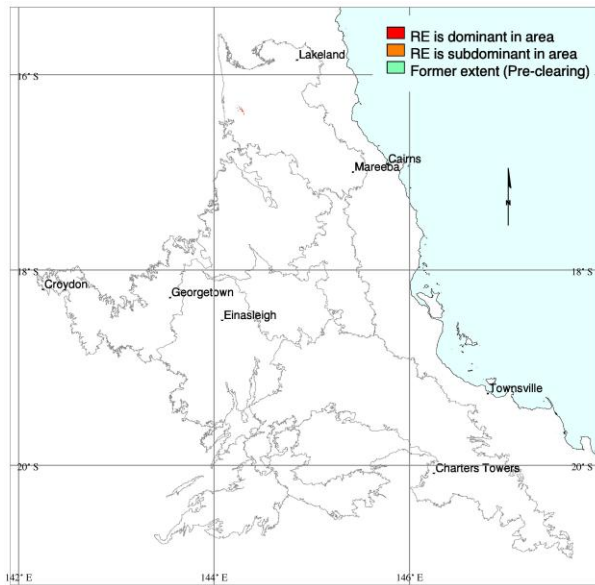
Dominant species (relative cover, frequency): *Schizachyrium indet.* (55, 33%), *Aristida dominii* (50, 33%), *Schizachyrium fragile* (34, 67%), *Aristida calycina* var. *calycina* (18, 33%), *Eriachne armitii* (15, 33%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (1, 100%), *Aristida hygrometrica* (1, 67%), *Aristida ingrata* (67%), *Sarga plumosum* (1, 67%), *Schizachyrium fragile* (12, 67%), *Setaria surgens* (1, 67%), *Alloteropsis semialata* (33%), *Aristida calycina* var. *calycina* (6, 33%), *Aristida dominii* (20, 33%), *Aristida warburgii* (33%), *Bulbostylis barbata* (33%), *Capillipedium parviflorum* (33%), *Chrysopogon fallax* (5, 33%), *Dactyloctenium aegyptium** (33%), *Digitaria ammophila* (33%), *Digitaria indet.* (33%), *Ectrosia confusa* (33%), *Elionurus citreus* (33%), *Eragrostis indet.* (33%), *Eriachne armitii* (6, 33%), *Eriachne ciliata* (2, 33%), *Eriachne glauca* (33%), *Fimbristylis indet.* (33%), *Panicum effusum* (33%), *Panicum seminudum* var. *cairnsianum* (33%), *Schizachyrium indet.* (19, 33%), *Themeda quadrivalvis** (33%), *Themeda triandra* (2, 33%)
FORBS: *Neptunia indet.* (100%), *Cheilanthes indet.* (67%), *Grewia retusifolia* (67%), *Hibiscus meraukensis* (67%), *Hyptis suaveolens** (2, 67%), *Malvastrum americanum** (1, 67%), *Phyllanthus fuernrohrhii* (67%), *Rostellularia adscendens* (67%), *Stylosanthes scabra** (67%), *Zornia muriculata* (67%), *Angiosperm indet.* (33%), *Cayratia indet.* (33%), *Eucalyptus cullenii* (33%), *Gastrolobium grandiflorum* (33%), *Glycine indet.* (33%), *Heliotropium peninsulare* (1, 33%), *Hibiscus sturtii* (33%), *Indigofera linifolia* (33%), *Indigofera linnaei* (33%), *Melaleuca stenostachya* (33%), *Parsonsia indet.* (33%), *Petalostigma banksii* (33%), *Phyllanthus indet.* (33%), *Pterocaulon sphacelatum* (33%), *Sclerolaena indet.* (33%), *Sida acuta** (33%), *Sida rohlenae* (33%), *Spermacoce indet.* (33%), *Stylosanthes indet.* (33%), *Tephrosia indet.* (33%), *Uria lagopodioides* (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Corymbia hylandii +/- Erythrophleum chlorostachys low open-woodland on metamorphic hills

G.W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 444 444 100%

Species recorded: Total: 10; woody: 4; ground: 6; Avg. spp./site: 10.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 2.0 m²/ha, range: 2.0 - 2 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Low open-woodland: 100%, 1 site(s)

Representative sites: 26772.

Stratum: T1

Height avg. = 8.0m, 1 site

Crown cover avg. = 6.1%, 1 site

Dominant species (relative cover, frequency): Corymbia hylandii (88, 100%), Erythrophleum chlorostachys (12, 100%)

Frequent species (cover, frequency): Corymbia hylandii (4, 100%), Erythrophleum chlorostachys (1, 100%)

Stratum: S1

Height avg. = 2.5m, 1 site

Crown cover avg. = 11.8%, 1 site

Dominant species (relative cover, frequency): Petalostigma banksii (87, 100%), Grevillea mimosoides (7, 100%), Erythrophleum chlorostachys (7, 100%)

Frequent species (cover, frequency): Erythrophleum chlorostachys (1, 100%), Grevillea mimosoides (1, 100%), Petalostigma banksii (8, 100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.6m, 1 site

PFC avg. = 60.0%, 1 site

Dominant species (relative cover, frequency): *Schizachyrium indet.* (50, 100%), *Heteropogon triticeus* (33, 100%), *Heteropogon contortus* (17, 100%)

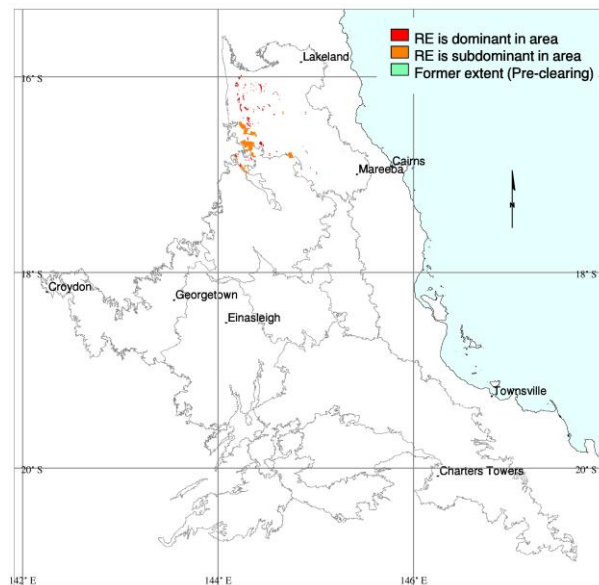
Frequent species (cover, frequency): GRAMINOIDS: *Chrysopogon fallax* (100%), *Heteropogon contortus* (10, 100%), *Heteropogon triticeus* (20, 100%), *Schizachyrium indet.* (30, 100%)

FORBS: *Pterocaulon redolens* (100%), *Sida hackettiana* (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus cullenii and Erythrophleum chlorostachys +/- Corymbia hylandii woodland on metamorphic hills

G. W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 12,258 12,162 99%

Species recorded: Total: 55; woody: 18; ground: 40; Avg. spp./site: 29.5; std dev.: 4.5, 2 site(s)

Basal area: Avg./site: 6.3 m²/ha, range: 4.0 - 8 m²/ha, std. deviation: 2 m²/ha, 3 site(s)

Structural formation: Woodland: 33%; low woodland: 33%; low open-woodland: 33%, 3 site(s)

Representative sites: 26347, 26957, 27035.

Stratum: T1

Height avg. = 10.5m, range 9.5-12m, 3 sites

Crown cover avg. = 22.1%, range 7.9-31.4%, 3 sites

Stem density/ha avg. = 140, range 120-160, 2 sites

Dominant species (relative cover, frequency): Eucalyptus cullenii (72, 100%), Terminalia aridicola subsp. chillagoensis (22, 33%), Erythrophleum chlorostachys (20, 100%)

Frequent species (cover, frequency): Erythrophleum chlorostachys (5, 100%), Eucalyptus cullenii (14, 100%), Brachychiton populneus (33%), Corymbia dallachiana (33%), Corymbia hylandii (33%), Terminalia aridicola subsp. chillagoensis (1, 33%)

Stratum: S1

Height avg. = 2.7m, range 2.5-3m, 3 sites

Crown cover avg. = 1.7%, range 0.0-4.4%, 3 sites

Stem density/ha avg. = 300, range 120-480, 2 sites

Dominant species (relative cover, frequency): Erythrophleum chlorostachys (48, 100%), Grevillea mimosoides (26, 67%), Santalum lanceolatum (13, 33%), Alphitonia pomaderroides (13, 33%), Petalostigma banksii (13, 33%)

Frequent species (cover, frequency): Erythrophleum chlorostachys (1, 100%), Dolichandrone heterophylla (67%), Eucalyptus cullenii (67%), Grevillea mimosoides (1, 67%), Terminalia aridicola subsp. chillagoensis (67%), Alphitonia pomaderroides (33%), Corymbia hylandii (33%), Ehretia membranifolia (33%), Erythroxylum ellipticum (33%), Grewia retusifolia (33%), Maytenus cunninghamii (33%), Petalostigma banksii (33%), Petalostigma pubescens (33%), Planchonia careya (33%), Santalum lanceolatum (33%), Terminalia aridicola (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.5m, range 0.2-0.8m, 2 sites

PFC avg. = 38.0%, range 26-50%, 2 sites

Dominant species (relative cover, frequency): *Schizachyrium fragile* (44, 33%), *Heteropogon triticeus* (25, 67%), *Themeda triandra* (22, 33%), *Schizachyrium indet.* (16, 33%), *Heteropogon contortus* (11, 67%)

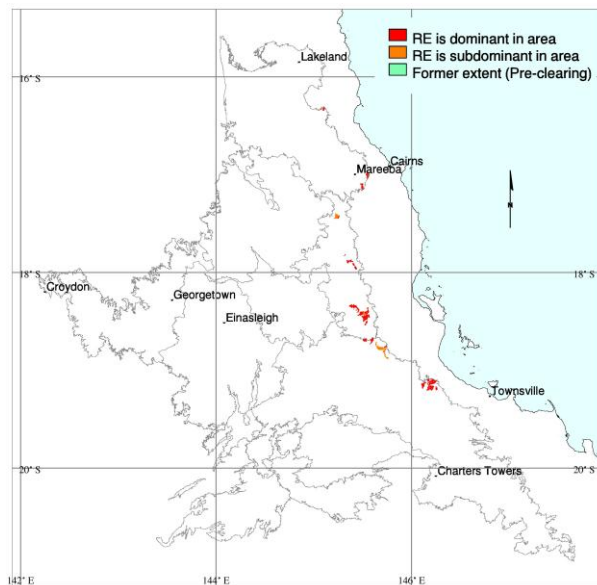
Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (5, 67%), *Heteropogon triticeus* (13, 67%), *Sarga plumosum* (2, 67%), *Setaria surgens* (67%), *Aristida indet.* (2, 33%), *Bulbostylis barbata* (33%), *Capillipedium parviflorum* (1, 33%), *Cymbopogon bombycinus* (1, 33%), *Cyperus indet.* (1, 33%), *Eragrostis indet.* (33%), *Eriachne ciliata* (33%), *Eriachne stipacea* (3, 33%), *Fimbristylis dichotoma* (33%), *Schizachyrium fragile* (12, 33%), *Schizachyrium indet.* (8, 33%), *Themeda triandra* (6, 33%)

FORBS: *Buchnera indet.* (33%), *Buchnera linearis* (33%), *Chamaecrista absus* var. *absus* (33%), *Chamaesyce indet.* (33%), *Crotalaria montana* (33%), *Cyanthillium cinereum* (33%), *Galactia tenuiflora* (1, 33%), *Gomphrena flaccida* (33%), *Goodenia indet.* (33%), *Heliotropium ballii* (33%), *Ipomoea coptica* (33%), *Microstachys chamaelea* (33%), *Phyllanthus indet.* (33%), *Phyllanthus maderaspatensis* (33%), *Polycarpaea spirostylis* (33%), *Pterocaulon sphacelatum* (33%), *Rostellularia adscendens* (33%), *Sida rohlenae* (33%), *Spermacoce indet.* (33%), *Stylosanthes scabra** (33%), *Tephrosia filipes* (33%), *Tephrosia juncea* (33%), *Waltheria indica* (33%), *Zornia muriculata* (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

***Eucalyptus granitica*, *Corymbia clarksoniana* and/or *C. intermedia* and *C. citriodora* woodland +/- *E. portuensis* on metamorphic hills**


M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 27,064 26,886 99%

Species recorded: Total: 101; woody: 24; ground: 88; Avg. spp./site: 42.0; std dev.: 18.5, 3 site(s)

Basal area: Avg./site: 8.3 m²/ha, range: 5.0 - 11 m²/ha, std. deviation: 2 m²/ha, 3 site(s)

Structural formation: Woodland: 100%, 3 site(s)

Representative sites: 27022, 27026, 39125.

Stratum: T1

Height avg. = 18.0m, range 17-19m, 3 sites

Crown cover avg. = 38.8%, range 38.0-40.2%, 3 sites

Stem density/ha avg. = 187, range 140-260, 3 sites

Dominant species (relative cover, frequency): Eucalyptus granitica (68, 100%), Erythrophleum chlorostachys (27, 33%), Corymbia citriodora (14, 100%), Corymbia clarksoniana (9, 100%)

Frequent species (cover, frequency): Corymbia citriodora (4, 100%), Corymbia clarksoniana (3, 100%), Eucalyptus granitica (21, 100%), Corymbia dallachiana (67%), Erythrophleum chlorostachys (9, 33%)

Stratum: T2

Height avg. = 8.5m, range 7-10m, 2 sites

Crown cover avg. = 0.0%, range 0.0-0.0%, 2 sites

Stem density/ha avg. = 70, range 60-80, 2 sites

Dominant species (relative cover, frequency): Corymbia citriodora (52, 67%), Erythrophleum chlorostachys (20, 33%), Corymbia clarksoniana (20, 33%), Grevillea glauca (14, 67%), Eucalyptus granitica (14, 67%)

Frequent species (cover, frequency): Corymbia citriodora (67%), Eucalyptus granitica (67%), Grevillea glauca (67%), Corymbia clarksoniana (33%), Erythrophleum chlorostachys (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.8m, range 1-3m, 3 sites

Crown cover avg. = 0.2%, range 0.0-0.6%, 3 sites

Stem density/ha avg. = 540, range 120-1300, 3 sites

Dominant species (relative cover, frequency): *Erythrophleum chlorostachys* (42, 33%), *Corymbia clarksoniana* (23, 33%), *Corymbia citriodora* (10, 33%), *Persoonia falcata* (10, 33%), *Acacia indet.* (10, 33%)

Frequent species (cover, frequency): *Bursaria incana* (100%), *Acacia bidwillii* (67%), *Melaleuca viridiflora* (67%), *Petalostigma banksii* (67%), *Acacia decora* (33%), *Acacia flavescens* (33%), *Acacia indet.* (33%), *Acacia julifera subsp. julifera* (33%), *Acacia leptostachya* (33%), *Alphitonia excelsa* (33%), *Alphitonia pomaderroides* (33%), *Breynia oblongifolia* (33%), *Capparis indet.* (33%), *Corymbia citriodora* (33%), *Corymbia clarksoniana* (33%), *Corymbia dallachiana* (33%), *Erythrophleum chlorostachys* (33%), *Grevillea parallela* (33%), *Hakea indet.* (33%), *Lophostemon suaveolens* (33%), *Persoonia falcata* (33%), *Petalostigma pubescens* (33%)

Stratum: G

Height avg. = 0.4m, range 0.2-0.6m, 3 sites

PFC avg. = 44.0%, range 36-58%, 3 sites

Dominant species (relative cover, frequency): *Themeda triandra* (41, 100%), *Aristida indet.* (35, 33%), *Heteropogon contortus* (19, 67%), *Schizachyrium pachyarthron* (10, 33%), *Heteropogon triticeus* (10, 67%)

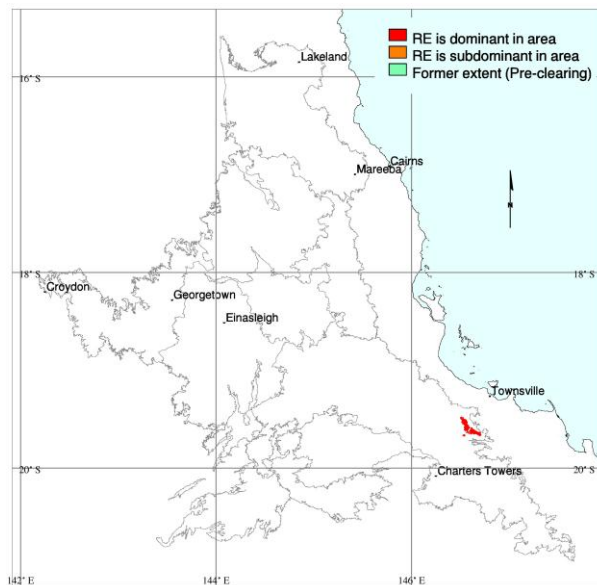
Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (18, 100%), *Arundinella setosa* (67%), *Eragrostis indet.* (67%), *Heteropogon contortus* (8, 67%), *Heteropogon triticeus* (4, 67%), *Alloteropsis semialata* (3, 33%), *Aristida indet.* (14, 33%), *Chrysopogon indet.* (33%), *Cymbopogon ambiguus* (33%), *Cymbopogon bombycinus* (33%), *Digitaria gibbosa* (33%), *Eragrostis spartanoides* (33%), *Eremochloa bimaculata* (33%), *Fimbristylis indet.* (1, 33%), *Fimbristylis recta* (33%), *Melinis repens** (33%), *Mnesithea formosa* (1, 33%), *Mnesithea rothboelliioides* (33%), *Panicum effusum* (33%), *Panicum indet.* (3, 33%), *Rhynchospora heterochaeta* (33%), *Schizachyrium indet.* (1, 33%), *Schizachyrium pachyarthron* (7, 33%), *Scleria brownii* (33%), *Scleria indet.* (1, 33%), *Setaria indet.* (33%), *Setaria surgens* (33%), *Thaumastochloa major* (2, 33%), *Urochloa polyphylla* (33%)

FORBS: *Corymbia clarksoniana* (67%), *Crotalaria goreensis** (67%), *Dianella indet.* (67%), *Grewia retusifolia* (67%), *Lomandra indet.* (67%), *Phyllanthus indet.* (67%), *Acacia bidwillii* (1, 33%), *Ageratum houstonianum** (33%), *Alphitonia pomaderroides* (33%), *Asteraceae indet.* (33%), *Blumea indet.* (1, 33%), *Bursaria incana* (33%), *Chamaecrista absus var. absus* (3, 33%), *Chamaecrista nomame var. nomame* (33%), *Chamaesyce mitchelliana var. mitchelliana* (33%), *Cheilanthes brownii* (33%), *Cheilanthes nitida* (33%), *Convolvulaceae indet.* (1, 33%), *Corymbia citriodora* (33%), *Corymbia dallachiana* (33%), *Crotalaria calycina* (33%), *Crotalaria indet.* (33%), *Crotalaria medicaginea var. medicaginea* (1, 33%), *Crotalaria montana* (33%), *Cyanthillium cinereum* (33%), *Desmodium filiforme* (1, 33%), *Eriosema chinense* (33%), *Erythrophleum chlorostachys* (33%), *Eucalyptus granitica* (33%), *Evolvulus alsinoides* (33%), *Fabaceae indet.* (3, 33%), *Goodenia pilosa* (2, 33%), *Grevillea glauca* (33%), *Haemodorum coccineum* (33%), *Helichrysum boormanii* (33%), *Heliotropium peninsulare* (33%), *Hibbertia longifolia* (33%), *Hybanthus enneaspermus* (33%), *Indigofera indet.* (33%), *Indigofera pratensis* (33%), *Ipomoea eriocarpa* (1, 33%), *Ipomoea gracilis* (33%), *Melaleuca viridiflora* (33%), *Mitracarpus hirtus** (33%), *Mitrasacme connata* (33%), *Mitrasacme pygmaea* (33%), *Petalostigma banksii* (1, 33%), *Phacellothrix cladochaeta* (33%), *Phyllanthus virgatus* (33%), *Pimelea sericostachya subsp. sericostachya* (33%), *Polygala exsuarrosa* (33%), *Rostellularia adscendens* (33%), *Spermacoce indet.* (33%), *Stackhousia intermedia* (33%), *Stylosanthes scabra** (1, 33%), *Tephrosia juncea* (33%), *Thecanthes cornucopiae* (33%), *Thysanotus banksii* (33%), *Zornia muriculata subsp. muriculata* (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus crebra or E. drepanophylla, Corymbia peltata and E. portuensis woodland on metamorphic hills

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 14,462 14,433 100%

Species recorded: Total: 24; woody: 10; ground: 15; Avg. spp./site: 15.0; std dev.: 4.0, 2 site(s)

Basal area: Avg./site: 4.0 m²/ha, range: 4.0 - 4 m²/ha, std. deviation: 0 m²/ha, 2 site(s)

Structural formation: Woodland: 100%, 2 site(s)

Representative sites: 26544, 26554.

Stratum: T1

Height avg. = 13.0m, range 13-13m, 2 sites

Crown cover avg. = 48.5%, range 48.5-48.5%, 2 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (58, 50%), Eucalyptus crebra (37, 50%), Corymbia peltata (35, 100%), Corymbia citriodora (29, 50%), Eucalyptus portuensis (6, 50%)

Frequent species (cover, frequency): Corymbia peltata (15, 100%), Corymbia citriodora (11, 50%), Eucalyptus crebra (16, 50%), Eucalyptus drepanophylla (21, 50%), Eucalyptus portuensis (2, 50%)

Stratum: T2

Height avg. = 7.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Dominant species (relative cover, frequency): Bursaria incana (100, 50%)

Frequent species (cover, frequency): Bursaria incana (50%)

Stratum: S1

Height avg. = 0.7m, 1 site

Crown cover avg. = 0.6%, 1 site

Dominant species (relative cover, frequency): Pterocaulon sphacelatum (46, 50%), Cyathillium cinereum (46, 50%), Phyllanthus fuernrohrii (4, 50%), Indigofera pratensis (4, 50%)

Frequent species (cover, frequency): Cyathillium cinereum (50%), Indigofera pratensis (50%), Phyllanthus fuernrohrii (50%), Pterocaulon sphacelatum (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.5m, range 0.5-0.5m, 2 sites

PFC avg. = 84.0%, range 77-91%, 2 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (66, 50%), *Themeda triandra* (53, 100%), *Panicum effusum* (7, 50%), *Lomandra longifolia* (4, 100%), *Heteropogon triticeus* (3, 100%)

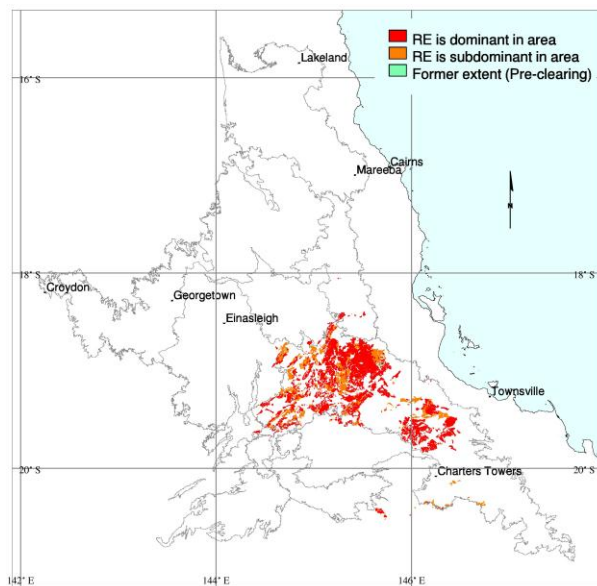
Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon triticeus* (3, 100%), *Themeda triandra* (48, 100%), *Aristida calycina* (2, 50%), *Arundinella setosa* (50%), *Eragrostis indet.* (1, 50%), *Heteropogon contortus* (50, 50%), *Melinis repens** (1, 50%), *Panicum effusum* (5, 50%)

FORBS: *Desmodium rhytidophyllum* (100%), *Lomandra longifolia* (3, 100%), *Capparis canescens* (50%), *Chrysocephalum apiculatum* (1, 50%), *Indigofera pratensis* (50%), *Pogonolobus reticulatus* (50%), *Tephrosia filipes* (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus persistens +/- E. crebra woodland on low metamorphic hills

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 390,058 384,864 99%

Species recorded: Total: 191; woody: 42; ground: 154; Avg. spp./site: 31.4; std dev.: 9.8, 10 site(s)

Basal area: Avg./site: 9.1 m²/ha, range: 3.0 - 14 m²/ha, std. deviation: 3 m²/ha, 12 site(s)

Structural formation: Woodland: 67%; open-woodland: 33%, 12 site(s)

Representative sites: 26185, 26204, 26249, 26620, 26622, 26623, 26661, 26873, 26877, 26944, 26950, 27033.

Stratum: T1

Height avg. = 13.2m, range 8-16m, 12 sites

Crown cover avg. = 25.5%, range 4.4-50.5%, 12 sites

Stem density/ha avg. = 160, range 60-400, 8 sites

Dominant species (relative cover, frequency): Eucalyptus persistens (91, 100%), Eucalyptus crebra (34, 25%)

Frequent species (cover, frequency): Eucalyptus persistens (24, 100%), Eucalyptus crebra (1, 25%), Denhamia oleaster (8%), Grevillea parallela (8%), Lysiphyllum carronii (8%), Terminalia oblongata (8%)

Stratum: T2

Height avg. = 6.8m, range 4-12m, 4 sites

Crown cover avg. = 11.8%, range 0.0-33.7%, 4 sites

Stem density/ha avg. = 220, range 40-320, 3 sites

Frequent species (cover, frequency): Eucalyptus persistens (1, 17%), Atalaya hemiglaucula (8%), Eremophila mitchellii (3, 8%), Eucalyptus crebra (8%), Hakea chordophylla (8%), Lysiphyllum carronii (6, 8%), Margaritaria dubium-traceyi (8%), Petalostigma banksii (22, 8%), Terminalia oblongata (8%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.9m, range 1-3m, 10 sites

Crown cover avg. = 17.3%, range 0.6-58.0%, 10 sites

Stem density/ha avg. = 880, range 20-2840, 6 sites

Dominant species (relative cover, frequency): *Petalostigma banksii* (50, 25%), *Atalaya hemiglaucula* (30, 33%), *Carissa lanceolata* (27, 58%), *Eucalyptus persistens* (21, 33%), *Erythroxylum australe* (12, 50%)

Frequent species (cover, frequency): *Carissa lanceolata* (7, 58%), *Erythroxylum australe* (1, 50%), *Atalaya hemiglaucula* (33%), *Eucalyptus persistens* (1, 33%), *Maytenus cunninghamii* (1, 25%), *Petalostigma banksii* (13, 25%), *Eremophila mitchellii* (3, 17%), *Acacia blakei* (8%), *Acacia burdekinsii* (5, 8%), *Acacia decora* (8%), *Acacia galioides* (8%), *Acacia hemignosta* (8%), *Acacia hyaloneura* (2, 8%), *Acacia lazaridis* (8%), *Acacia victoriae* subsp. *victoriae* (8%), *Alphitonia* indet. (8%), *Archidendropsis basaltica* (8%), *Bursaria incana* (8%), *Capparis canescens* (8%), *Capparis lasiantha* (8%), *Carissa ovata* (2, 8%), *Denhamia oleaster* (8%), *Dodonaea lanceolata* (8%), *Dodonaea physocarpa* (8%), *Dodonaea viscosa* subsp. *spatulata* (91, 8%), *Dolichandrone heterophylla* (8%), *Flindersia dissosperma* (8%), *Hakea lorea* subsp. *lorea* (8%), *Hovea densivellosa* (2, 8%), *Lamprolobium fruticosum* (8%), *Larsenaikia ochreatea* (1, 8%), *Persoonia falcata* (8%), *Psydrax saligna* forma *saligna* (8%), *Senna gaudichaudii* (8%), *Wrightia saligna* (8%), *Xylomelum scottianum* (8%)

Stratum: G

Height avg. = 0.4m, range 0.15-0.6m, 10 sites

PFC avg. = 48.5%, range 15-81%, 10 sites

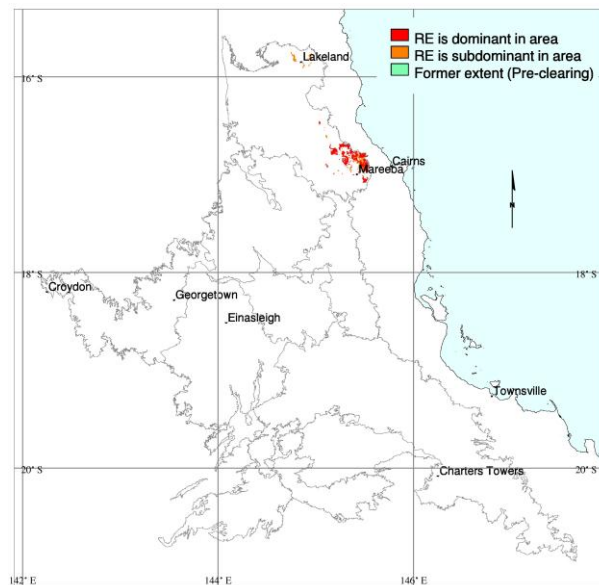
Dominant species (relative cover, frequency): *Paspalidium gracile* (18, 33%), *Themeda triandra* (13, 58%), *Aristida queenslandica* var. *queenslandica* (11, 33%), *Aristida* indet. (11, 33%), *Chrysopogon fallax* (9, 42%)

Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (5, 58%), *Chrysopogon fallax* (4, 42%), *Aristida* indet. (6, 33%), *Aristida queenslandica* var. *queenslandica* (6, 33%), *Enneapogon lindleyanus* (1, 33%), *Heteropogon contortus* (6, 33%), *Melinis repens** (1, 33%), *Paspalidium gracile* (11, 33%), *Cyperus fulvus* (25%), *Eragrostis brownii* (2, 25%), *Panicum effusum* var. *effusum* (1, 25%), *Panicum* indet. (1, 25%), *Poaceae* indet. (3, 25%), *Aristida calycina* (5, 17%), *Aristida calycina* var. *calycina* (9, 17%), *Aristida utilis* var. *utilis* (17%), *Bothriochloa decipiens* var. *cloncurrans* (2, 17%), *Bothriochloa* indet. (3, 17%), *Bothriochloa pertusa** (5, 17%), *Cleistochloa subjuncea* (13, 17%), *Cymbopogon bombycinus* (17%), *Cymbopogon refractus* (2, 17%), *Cyperus gracilis* (17%), *Cyperus* indet. (17%), *Enneapogon* indet. (5, 17%), *Eragrostis* indet. (17, 17%), *Eragrostis schultzei* (2, 17%), *Paspalidium distans* (17%), *Scleria brownii* (17%), *Scleria tricuspidata* (2, 17%), *Abildgaardia* indet. (8%), *Abildgaardia ovata* (2, 8%), *Allotriopsis semialata* (8%), *Aristida holathera* var. *holathera* (8%), *Aristida latifolia* (8%), *Aristida perniciosus* (8%), *Aristida pruinosa* (25, 8%), *Aristida queenslandica* (31, 8%), *Arundinella* indet. (8%), *Bothriochloa decipiens* (5, 8%), *Chrysopogon* indet. (3, 8%), *Dichanthium sericeum* (2, 8%), *Digitaria brownii* (8%), *Digitaria ciliaris** (8%), *Digitaria divaricatissima* (8%), *Digitaria* indet. (8%), *Digitaria nematostachya* (8%), *Digitaria ramularis* (8%), *Enneapogon intermedius* (8%), *Eragrostis sororia* (10, 8%), *Eriachne* indet. (8%), *Eulalia aurea* (2, 8%), *Fimbristylis bisumbellata* (1, 8%), *Fimbristylis dichotoma* (8%), *Fimbristylis* indet. (8%), *Mnesithea formosa* (8%), *Panicum decompositum* var. *tenuius* (1, 8%), *Panicum effusum* (8%), *Paspalidium* indet. (8%), *Scleria* indet. (8%), *Setaria* indet. (8%), *Sporobolus australasicus* (30, 8%), *Sporobolus* indet. (1, 8%), *Triodia* indet. (5, 8%), *Urochloa holosericea* subsp. *holosericea* (8%)
FORBS: *Evolvulus alsinoides* (67%), *Grewia retusifolia* (50%), *Brunoniella australis* (1, 42%), *Phyllanthus virgatus* (42%), *Cyanthillium cinereum* (33%), *Phyllanthus fuernrohrrii* (33%), *Galactia tenuiflora* (25%), *Indigofera linnaei* (2, 25%), *Indigofera polygaloides* (25%), *Stylosanthes scabra** (25%), *Breynia oblongifolia* (17%), *Cheilanthes sieberi* subsp. *sieberi* (17%), *Geijera salicifolia* (17%), *Hybanthus enneaspermus* (17%), *Malvastrum americanum** (17%), *Maytenus cunninghamii* (17%), *Neptunia* indet. (17%), *Petalostigma pubescens* (17%), *Pterocaulon sphacelatum* (17%), *Rostellularia adscendens* subsp. *adscendens* (2, 17%), *Tephrosia juncea* (17%), *Tephrosia leptoclada* (17%), *Zornia muriculata* subsp. *angustata* (17%), *Acacia galioides* (8%), *Alternanthera brasiliensis** (8%), *Alternanthera nana* (8%), *Angiosperm* indet. (8%), *Boerhavia dominii* (8%), *Brunoniella acaulis* (8%), *Brunoniella acaulis* subsp. *acaulis* (8%), *Camptacra barbata* (8%), *Carissa lanceolata* (10, 8%), *Carissa ovata* (8%), *Cheilanthes* indet. (8%), *Cleistanthus* indet. (8%), *Commelina lanceolata* (8%), *Crotalaria medicaginea* (8%), *Dianella nervosa* (8%), *Distichostemon dodecandrus* (8%), *Dodonaea lanceolata* (8%), *Ehretia membranifolia* (8%), *Eremophila debilis* (8%), *Galactia tenuiflora* forma *sericea* (8%), *Galactia tenuiflora* var. *lucida* (8%), *Glycine tomentella* (8%), *Gomphrena celosioides** (8%), *Gomphrena* indet. (8%), *Hibiscus* indet. (8%), *Hibiscus meraukensis* (8%), *Indigofera linifolia* (8%), *Indigofera pratensis* (8%), *Ipomoea polymorpha* (8%), *Jacquemontia paniculata* (8%), *Jacquemontia paniculata* var. *tomentosa* (8%), *Lagenophora gracilis* (8%), *Lomandra filiformis* subsp. *filiformis* (8%), *Lomandra multiflora* subsp. *multiflora* (8%), *Marsdenia viridiflora* subsp. *viridiflora* (8%), *Melhantha oblongifolia* (8%), *Murdannia graminea* (8%), *Myoporum montanum* (8%), *Peripleura bicolor* (8%), *Peripleura hispidula* var. *hispidula* (8%), *Phyllanthus* indet. (8%), *Pogonolobus reticulatus* (8%), *Portulaca oleracea** (8%), *Rhynchosia minima* (8%), *Rhynchosia minima* var. *minima* (2, 8%), *Rostellularia adscendens* (8%), *Rostellularia adscendens* var. *adscendens* (8%), *Sarcostemma viminale* (8%), *Secamone elliptica* (8%), *Senna* indet. (8%), *Sida hackettiana* (8%), *Sida* indet. (2, 8%), *Sida rohlenae* subsp. *rohlenae* (15, 8%), *Sida* sp. (Charters Towers E.J. Thompson + CHA456) (8%), *Sida spinosa** (8%), *Wedelia spilanthis* (8%), *Zornia dyctiocarpa* var. *dyctiocarpa* (8%), *Zornia muelleriana* (8%), *Zornia muriculata* (8%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus platyphylla and/or E. cullenii +/- Corymbia clarksoniana woodland on texture contrast soils on metamorphic hills

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 34,522 32,729 95%

Species recorded: Total: 69; woody: 16; ground: 58; Avg. spp./site: 28.3; std dev.: 5.2, 3 site(s)

Basal area: Avg./site: 5.3 m²/ha, range: 5.0 - 6 m²/ha, std. deviation: 0 m²/ha, 3 site(s)

Structural formation: Woodland: 33%; open-woodland: 33%; low open-woodland: 33%, 3 site(s)

Representative sites: 26627, 26922, 27060.

Stratum: T1

Height avg. = 13.0m, range 7-18m, 3 sites

Crown cover avg. = 25.4%, range 11.8-46.5%, 3 sites

Stem density/ha avg. = 173, range 140-200, 3 sites

Dominant species (relative cover, frequency): Lophostemon suaveolens (51, 67%), Eucalyptus platyphylla (37, 100%), Eucalyptus cullenii (23, 67%), Corymbia dallachiana (22, 33%), Corymbia clarksoniana (6, 100%)

Frequent species (cover, frequency): Corymbia clarksoniana (1, 100%), Eucalyptus platyphylla (7, 100%), Eucalyptus cullenii (8, 67%), Lophostemon suaveolens (7, 67%), Corymbia dallachiana (7, 33%), Melaleuca viridiflora (33%)

Stratum: T2

Height avg. = 4.0m, range 4-4m, 2 sites

Crown cover avg. = 1.8%, range 0.6-2.9%, 2 sites

Stem density/ha avg. = 190, range 180-200, 2 sites

Dominant species (relative cover, frequency): Corymbia clarksoniana (97, 33%), Petalostigma pubescens (25, 33%), Melaleuca viridiflora (25, 33%), Acacia leptostachya (25, 33%), Eucalyptus platyphylla (14, 67%)

Frequent species (cover, frequency): Eucalyptus platyphylla (67%), Acacia leptostachya (33%), Corymbia clarksoniana (1, 33%), Melaleuca viridiflora (33%), Petalostigma pubescens (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.5m, range 2-3m, 3 sites

Crown cover avg. = 1.2%, range 0.0-2.9%, 3 sites

Stem density/ha avg. = 1567, range 1100-2240, 3 sites

Dominant species (relative cover, frequency): Eucalyptus platyphylla (43, 100%), Acacia leptostachya (36, 33%), Petalostigma pubescens (36, 33%), Melaleuca viridiflora (28, 67%), Corymbia clarksoniana (7, 67%)

Frequent species (cover, frequency): Eucalyptus platyphylla (1, 100%), Grevillea parallela (100%), Corymbia clarksoniana (67%), Eucalyptus cullenii (67%), Melaleuca viridiflora (1, 67%), Acacia bidwillii (33%), Acacia flavescens (33%), Acacia indet. (33%), Acacia leptostachya (1, 33%), Corymbia dallachiana (33%), Grevillea glauca (33%), Grevillea mimosoides (33%), Hakea persiehana (33%), Lophostemon suaveolens (33%), Maytenus cunninghamii (33%), Petalostigma pubescens (1, 33%)

Stratum: G

Height avg. = 0.7m, range 0.6-0.8m, 3 sites

PFC avg. = 41.0%, range 28-54%, 3 sites

Dominant species (relative cover, frequency): Themeda triandra (27, 100%), Heteropogon triticeus (16, 67%), Fabaceae indet. (12, 67%), Sorghum indet. (9, 33%), Clerodendrum floribundum (7, 33%)

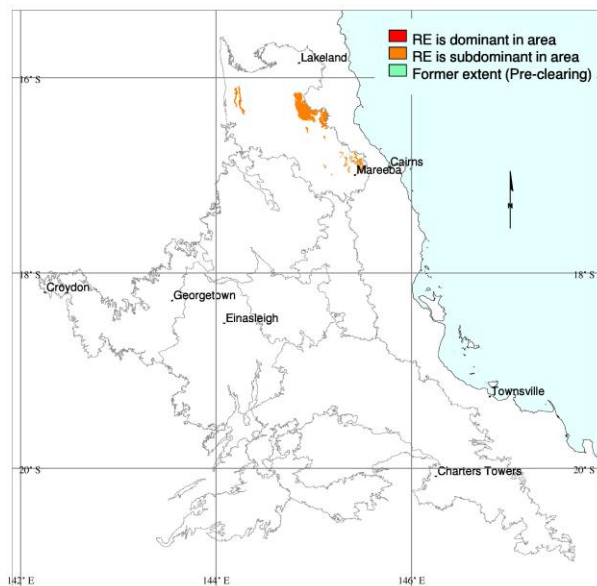
Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (8, 100%), Heteropogon triticeus (8, 67%), Sarga plumosum (67%), Aristida indet. (3, 33%), Arundinella indet. (2, 33%), Arundinella setosa (33%), Bulbostylis barbata (1, 33%), Eragrostis speciosa (33%), Fimbristylis dichotoma (33%), Fimbristylis indet. (33%), Heteropogon contortus (33%), Mnesithea rottboellioides (2, 33%), Poaceae indet. (33%), Scleria mackaviensis (33%), Sorghum indet. (5, 33%)

FORBS: Fabaceae indet. (6, 67%), Flemingia parviflora (67%), Grewia retusifolia (67%), Abelmoschus moschatus subsp. tuberosus (33%), Acacia indet. (1, 33%), Angiosperm indet. (33%), Aristolochia thozetii (33%), Asteraceae indet. (33%), Austrodolichos errabundus (33%), Buchnera indet. (33%), Chamaecrista mimosoides (33%), Cheilanthes indet. (33%), Clerodendrum floribundum (1, 33%), Commelinaceae indet. (33%), Corymbia clarksoniana (33%), Crotalaria medicaginea (33%), Crotalaria montana (1, 33%), Cyanthillium cinereum (33%), Dendrobium canaliculatum (33%), Desmodium heterocarpon var. heterocarpon (33%), Desmodium rhytidophyllum (33%), Desmodium strigillosum (1, 33%), Eucalyptus platyphylla (33%), Flemingia indet. (33%), Galactia tenuiflora (33%), Glycine curvata (33%), Grevillea mimosoides (1, 33%), Hybanthus enneaspermus (33%), Hybanthus indet. (33%), Indigofera indet. (33%), Indigofera pratensis (1, 33%), Liliaceae indet. (33%), Melaleuca viridiflora (1, 33%), Phyllanthus indet. (33%), Pogonolobus reticulatus (33%), Pterocaulon sphacelatum (33%), Rostellularia adscendens (33%), Ruellia tuberosa* (33%), Stylosanthes scabra* (33%), Uraria lagopodioides (33%), Uraria picta (33%), Zornia indet. (33%), Zornia muriculata (33%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Melaleuca monantha +/- Petalostigma spp. low open-forest on low metamorphic hills

G.W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,966 3,847 97%

Species recorded: Total: 53; woody: 10; ground: 43; Avg. spp./site: 28.0; std dev.: 7.0, 2 site(s)

Basal area: Avg./site: 7.5 m²/ha, range: 3.5 - 12 m²/ha, std. deviation: 4 m²/ha, 2 site(s)

Structural formation: Tall open-shrubland: 50%; low open-forest: 50%, 2 site(s)

Representative sites: 26625, 26912.

Stratum: E

Height avg. = 10.5m, range 5-16m, 2 sites

Crown cover avg. = 0.3%, range 0.0-0.6%, 2 sites

Stem density/ha avg. = 100, 1 site

Dominant species (relative cover, frequency): Eucalyptus cullenii (100, 50%), Corymbia dallachiana (100, 50%)

Frequent species (cover, frequency): Corymbia dallachiana (50%), Eucalyptus cullenii (1, 50%)

Stratum: T1

Height avg. = 6.0m, 1 site

Crown cover avg. = 70.6%, 1 site

Stem density/ha avg. = 1000, 1 site

Dominant species (relative cover, frequency): Melaleuca monantha (100, 50%)

Frequent species (cover, frequency): Dendrobium canaliculatum (50%), Melaleuca monantha (72, 50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 3.0m, range 2-4m, 2 sites

Crown cover avg. = 3.9%, range 0.0-7.9%, 2 sites

Stem density/ha avg. = 690, range 380-1000, 2 sites

Dominant species (relative cover, frequency): Melaleuca monantha (86, 100%), Petalostigma pubescens (21, 50%), Exocarpos latifolius (5, 50%)

Frequent species (cover, frequency): Melaleuca monantha (3, 100%), Antidesma parvifolium (50%), Corymbia dallachiana (50%), Exocarpos latifolius (50%), Grevillea striata (50%), Maytenus cunninghamii (50%), Petalostigma pubescens (2, 50%)

Stratum: S2

Height avg. = 1.0m, 1 site

Crown cover avg. = 2.9%, 1 site

Stem density/ha avg. = 540, 1 site

Dominant species (relative cover, frequency): Melaleuca monantha (91, 50%), Antidesma parvifolium (7, 50%), Melaleuca viridiflora (1, 50%), Grevillea striata (1, 50%), Eucalyptus cullenii (1, 50%)

Frequent species (cover, frequency): Antidesma parvifolium (50%), Corymbia dallachiana (50%), Eucalyptus cullenii (50%), Grevillea striata (50%), Melaleuca monantha (3, 50%), Melaleuca viridiflora (50%)

Stratum: G

Height avg. = 0.5m, range 0.2-0.7m, 2 sites

PFC avg. = 13.0%, range 13-13%, 2 sites

Dominant species (relative cover, frequency): Schizachyrium indet. (36, 50%), Aneilema siliculosum (26, 50%), Eragrostis tenellula (22, 50%), Themeda triandra (12, 100%), Eragrostis leptostachya (11, 50%)

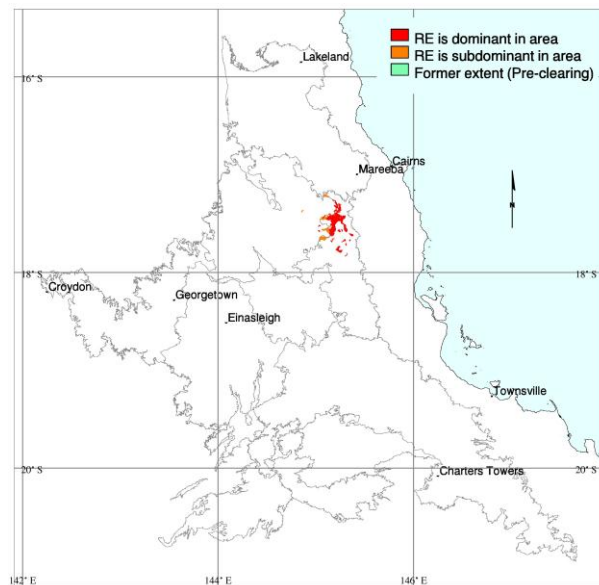
Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (2, 100%), Chloris lobata (50%), Dactyloctenium aegyptium (1, 50%), Eleusine indica* (50%), Eragrostis cumingii (50%), Eragrostis indet. (50%), Eragrostis leptostachya (2, 50%), Eragrostis tenellula (3, 50%), Fimbristylis dichotoma (50%), Melinis repens* (50%), Panicum indet. (50%), Paspalidium indet. (50%), Schizachyrium indet. (5, 50%), Sporobolus pulchellus (50%), Sporobolus pyramidalis* (1, 50%)*

FORBS: Uraria lagopodioides (100%), Aeschynomene micranthos (50%), Alternanthera micrantha (50%), Alternanthera pungens (50%), Alysicarpus ovalifolius* (50%), Aneilema siliculosum (3, 50%), Angiosperm indet. (50%), Capparis indet. (50%), Cayratia trifolia (50%), Cheilanthes indet. (50%), Cyathium cinereum (50%), Desmodium pullenii (50%), Elephantopus scaber* (50%), Glycine curvata (1, 50%), Goodenia indet. (1, 50%), Hybanthus indet. (50%), Indigofera indet. (50%), Ipomoea indet. (50%), Lagenophora gracilis (1, 50%), Mitracarpus hirtus* (1, 50%), Oxalis radicata (50%), Phyllanthus indet. (50%), Portulaca pilosa* (50%), Praxelis clematidea* (1, 50%), Sida rhombifolia* (1, 50%), Stylosanthes humilis* (50%), Stylosanthes scabra* (50%), Zornia muriculata (50%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus cloeziana, Corymbia citriodora, E. portuensis and E. cullenii mixed woodland on steep dissected hills on highly metalliferous metamorphic rocks

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 34,676 33,891 98%

Species recorded: Total: 104; woody: 30; ground: 84; Avg. spp./site: 33.2; std dev.: 6.4, 6 site(s)

Basal area: Avg./site: 6.5 m²/ha, range: 3.0 - 10 m²/ha, std. deviation: 3 m²/ha, 3 site(s)

Structural formation: Woodland: 71%; open-woodland: 14%; open-forest: 14%, 7 site(s)

Representative sites: 25835, 25985, 25986, 25987, 26427, 27054, 27055.

Stratum: T1

Height avg. = 18.6m, range 12-27m, 7 sites

Crown cover avg. = 35.9%, range 11.8-67.8%, 7 sites

Stem density/ha avg. = 177, range 80-320, 7 sites

Dominant species (relative cover, frequency): Eucalyptus cloeziana (72, 71%), Eucalyptus cullenii (57, 29%), Corymbia erythrophloia (38, 29%), Eucalyptus portuensis (12, 43%), Corymbia leichhardtii (9, 43%)

Frequent species (cover, frequency): Eucalyptus cloeziana (26, 71%), Corymbia leichhardtii (2, 43%), Eucalyptus portuensis (4, 43%), Corymbia citriodora (2, 29%), Corymbia erythrophloia (6, 29%), Eucalyptus cullenii (20, 29%), Callitris intratropica (6, 14%), Corymbia indet. (1, 14%), Grevillea glauca (14%)

Stratum: T2

Height avg. = 7.2m, range 3-11m, 5 sites

Crown cover avg. = 4.1%, range 0.0-9.8%, 5 sites

Stem density/ha avg. = 144, range 60-240, 5 sites

Dominant species (relative cover, frequency): Corymbia clarksoniana (75, 29%), Corymbia erythrophloia (62, 29%), Grevillea glauca (13, 29%), Persoonia falcata (13, 29%)

Frequent species (cover, frequency): Corymbia clarksoniana (3, 29%), Corymbia erythrophloia (5, 29%), Grevillea glauca (29%), Persoonia falcata (29%), Allocasuarina inophloia (14%), Corymbia citriodora (3, 14%), Corymbia leichhardtii (14%), Eucalyptus cloeziana (14%), Eucalyptus cullenii (1, 14%), Eucalyptus portuensis (1, 14%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.2m, range 1-4m, 7 sites

Crown cover avg. = 4.1%, range 0.0-15.9%, 7 sites

Stem density/ha avg. = 689, range 60-1280, 7 sites

Dominant species (relative cover, frequency): *Eucalyptus cloeziana* (45, 29%), *Grevillea glauca* (25, 57%), *Grevillea parallela* (17, 29%), *Corymbia clarksoniana* (17, 29%), *Corymbia citriodora* (15, 29%)

Frequent species (cover, frequency): *Persoonia falcata* (71%), *Acacia calyculata* (57%), *Grevillea glauca* (57%), *Platysace valida* (43%), *Corymbia citriodora* (29%), *Corymbia clarksoniana* (29%), *Corymbia erythrophloia* (29%), *Eucalyptus cloeziana* (5, 29%), *Eucalyptus portuensis* (29%), *Grevillea parallela* (29%), *Pogonolobus reticulatus* (29%), *Xanthorrhoea johnsonii* (29%), *Xylomelum scottianum* (29%), *Acacia aulacocarpa* (14%), *Acacia humifusa* (14%), *Allocasuarina inophloia* (1, 14%), *Atalaya hemiglaucula* (14%), *Breynia cernua* (14%), *Callitris intratropica* (1, 14%), *Capparis* indet. (14%), *Corymbia* indet. (14%), *Corymbia leichhardtii* (2, 14%), *Eucalyptus cullenii* (14%), *Exocarpos cupressiformis* (4, 14%), *Hakea plurinervia* (14%), *Indigofera pratensis* (14%), *Melaleuca nervosa* (14%), *Melaleuca viridiflora* (14%), *Petalostigma pubescens* (14%), *Planchonia careya* (14%)

Stratum: G

Height avg. = 0.4m, range 0.2-0.5m, 6 sites

PFC avg. = 52.7%, range 10-80%, 6 sites

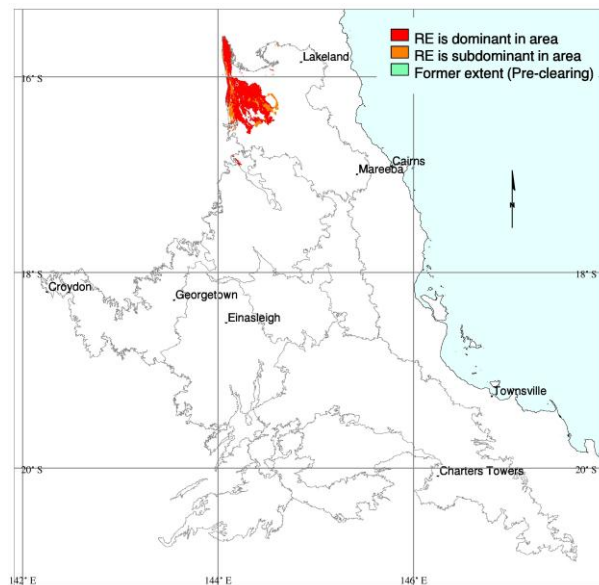
Dominant species (relative cover, frequency): *Triodia* indet. (72, 29%), *Aristida* indet. (7, 57%), *Jacksonia thesioides* (6, 71%), *Hovea* indet. (4, 29%), *Pterocaulon redolens* (4, 29%)

Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (86%), *Aristida* indet. (2, 57%), *Arundinella* indet. (57%), *Mnesithea rothboelliioides* (57%), *Heteropogon triticeus* (43%), *Cleistochloa* indet. (29%), *Digitaria* indet. (29%), *Panicum* indet. (29%), *Triodia* indet. (31, 29%), *Eragrostis* indet. (14%), *Heteropogon contortus* (14%), *Lepidosperma laterale* (14%), *Melinis repens** (14%), *Poaceae* indet. (14%), *Schizachyrium fragile* (14%), *Scleria* indet. (14%), *Sorghum* indet. (14%)
FORBS: *Jacksonia thesioides* (1, 71%), *Crotalaria montana* (57%), *Cyanthillium cinereum* (57%), *Grevillea dryandri* (57%), *Lomandra* indet. (57%), *Cheilanthes* indet. (43%), *Desmodium rhytidophyllum* (43%), *Flemingia parviflora* (43%), *Helichrysum newcastlianum* (43%), *Phyllanthus virgatus* (43%), *Tephrosia filipes* (43%), *Tephrosia juncea* (43%), *Acacia calyculata* (29%), *Cassytha* indet. (29%), *Glycine* indet. (29%), *Gompholobium nitidum* (29%), *Gompholobium pinnatum* (29%), *Haemodorum* indet. (29%), *Helichrysum* indet. (1, 29%), *Hovea* indet. (29%), *Indigofera* indet. (29%), *Pogonolobus reticulatus* (29%), *Poranthera microphylla* (29%), *Pterocaulon redolens* (29%), *Stylidium* indet. (29%), *Tephrosia* indet. (29%), *Acacia* indet. (14%), *Acacia whitei* (14%), *Astroloma* indet. (14%), *Chamaecrista* indet. (14%), *Convolvulaceae* indet. (14%), *Crotalaria* indet. (14%), *Crotalaria medicaginea* (14%), *Desmodium* indet. (14%), *Dianella* indet. (14%), *Distichostemon dodecandrus* (14%), *Distichostemon* indet. (14%), *Eucalyptus cloeziana* (1, 14%), *Eustrephus latifolius* (14%), *Evolvulus alsinoides* (14%), *Gonocarpus chinensis* (14%), *Gonocarpus* indet. (14%), *Haemodorum coccineum* (14%), *Hibbertia longifolia* (14%), *Hybanthus* indet. (14%), *Indigofera pratensis* (14%), *Melichrus* indet. (14%), *Mitrasacme* indet. (14%), *Oldenlandia* indet. (14%), *Pandorea pandorana* (14%), *Persoonia falcata* (14%), *Petalostigma pubescens* (14%), *Phyllanthus* indet. (14%), *Pimelea sericostachya* (14%), *Polycarpaea corymbosa* (14%), *Rostellularia adscendens* (14%), *Sauropus elachophyllus* (14%), *Stylosanthes* indet. (14%), *Tricoryne anceps* (14%), *Wahlenbergia* indet. (14%), *Xanthorrhoea johnsonii* (14%), *Xylomelum scottianum* (14%), *Zornia* indet. (14%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus cullenii, Corymbia hylandii and E. tetrodonta +/- Erythrophleum chlorostachys woodland on metamorphic hills


G. W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 121,190 120,624 100%

Species recorded: Total: 79; woody: 32; ground: 51; Avg. spp./site: 21.2; std dev.: 6.8, 5 site(s)

Basal area: Avg./site: 7.1 m²/ha, range: 4.0 - 11 m²/ha, std. deviation: 2 m²/ha, 6 site(s)

Structural formation: Woodland: 83%; low woodland: 17%, 6 site(s)

Representative sites: 25663, 25734, 25737, 25808, 26343, 26967.

Stratum: T1

Height avg. = 13.3m, range 9-16m, 6 sites

Crown cover avg. = 40.4%, range 27.0-50.5%, 6 sites

Stem density/ha avg. = 252, range 180-320, 5 sites

Dominant species (relative cover, frequency): Eucalyptus cullenii (74, 83%), Eucalyptus tetrodonta (35, 67%), Corymbia hylandii (17, 67%), Erythrophleum chlorostachys (9, 33%)

Frequent species (cover, frequency): Eucalyptus cullenii (26, 83%), Corymbia hylandii (6, 67%), Eucalyptus tetrodonta (10, 67%), Erythrophleum chlorostachys (3, 33%), Corymbia confertiflora (1, 17%), Cymbidium canaliculatum (17%), Melaleuca stenostachya (1, 17%)

Stratum: T2

Height avg. = 4.4m, range 2.5-7m, 4 sites

Crown cover avg. = 4.4%, range 0.6-15.9%, 4 sites

Stem density/ha avg. = 105, range 80-120, 4 sites

Dominant species (relative cover, frequency): Eucalyptus cullenii (52, 33%), Planchonia careya (28, 50%), Corymbia hylandii (26, 50%)

Frequent species (cover, frequency): Corymbia hylandii (1, 50%), Planchonia careya (50%), Eucalyptus cullenii (3, 33%), Acacia bidwillii (17%), Acacia leptostachya (17%), Alphitonia pomaderroides (17%), Cymbidium canaliculatum (17%), Gardenia indet. (17%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.5m, range 0.5-3m, 6 sites

Crown cover avg. = 3.0%, range 0.0-15.9%, 6 sites

Stem density/ha avg. = 612, range 80-1500, 5 sites

Dominant species (relative cover, frequency): *Eucalyptus tetrodonta* (28, 67%), *Petalostigma pubescens* (24, 33%), *Corymbia hylandii* (15, 83%), *Grevillea mimosoides* (10, 50%), *Petalostigma banksii* (10, 33%)

Frequent species (cover, frequency): *Corymbia hylandii* (83%), *Eucalyptus tetrodonta* (67%), *Grevillea mimosoides* (50%), *Indigofera pratensis* (50%), *Persoonia falcata* (50%), *Dolichandrone heterophylla* (33%), *Erythrophleum chlorostachys* (33%), *Petalostigma banksii* (33%), *Petalostigma pubescens* (33%), *Acacia bidwillii* (17%), *Capparis* *indet.* (17%), *Croton arnhemicus* (17%), *Daviesia flava* (17%), *Dendrolobium umbellatum* var. *umbellatum* (17%), *Erythroxylum ellipticum* (17%), *Eucalyptus cullenii* (17%), *Gardenia* *indet.* (17%), *Grevillea dryandri* (17%), *Grevillea glauca* (17%), *Grewia retusifolia* (17%), *Hibiscus meraukensis* (17%), *Lamprolobium fruticosum* (17%), *Maytenus cunninghamii* (17%), *Melaleuca stenostachya* (17%), *Phyllanthus carpentariae* (17%), *Phyllanthus* *indet.* (17%), *Planchonia careya* (17%), *Terminalia aridicola* (1, 17%)

Stratum: G

Height avg. = 0.9m, range 0.6-1.3m, 5 sites

PFC avg. = 46.8%, range 19-66%, 5 sites

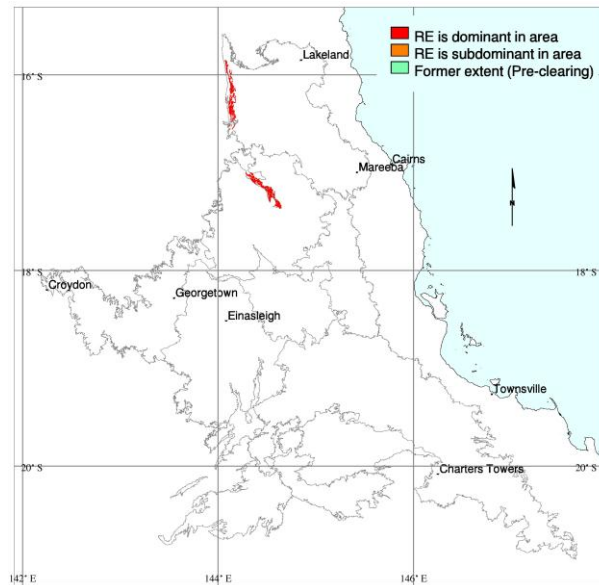
Dominant species (relative cover, frequency): *Themeda triandra* (44, 67%), *Heteropogon contortus* (24, 67%), *Heteropogon triticeus* (14, 83%), *Schizachyrium fragile* (10, 33%), *Sarga plumosum* (9, 83%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon triticeus* (7, 83%), *Sarga plumosum* (5, 83%), *Heteropogon contortus* (13, 67%), *Themeda triandra* (22, 67%), *Aristida* *indet.* (33%), *Schizachyrium fragile* (5, 33%), *Scleria* *indet.* (1, 33%), *Arundinella* *indet.* (17%), *Arundinella setosa* (17%), *Capillipedium parviflorum* (3, 17%), *Cymbopogon* *indet.* (17%), *Digitaria* *indet.* (4, 17%), *Eragrostis* *indet.* (17%), *Eriachne obtusa* (17%), *Triodia microstachya* (3, 17%)
FORBS: *Cajanus* *indet.* (1, 33%), *Cyanthillium cinereum* (33%), *Hybanthus enneaspermus* (1, 33%), *Indigofera pratensis* (1, 33%), *Angiosperm* *indet.* (17%), *Cartonema spicatum* (17%), *Chamaecrista absus* var. *absus* (17%), *Galactia muelleri* (17%), *Galactia tenuiflora* forma *sericea* (1, 17%), *Grevillea dryandri* (17%), *Grewia retusifolia* (17%), *Heliotropium prostratum* (2, 17%), *Ipomoea* *indet.* (17%), *Lomandra multiflora* subsp. *multiflora* (17%), *Parsonsia* *indet.* (17%), *Polycarpaea corymbosa* (17%), *Polygala* *indet.* (17%), *Pterocarpus* *indet.* (17%), *Rostellularia adscendens* (17%), *Rostellularia* *indet.* (17%), *Sauropus* *indet.* (17%), *Striga* *indet.* (17%), *Striga parviflora* (17%), *Stylosanthes scabra** (1, 17%), *Tephrosia* *indet.* (1, 17%), *Tephrosia varians* (17%), *Wedelia spilanthis* (17%), *Zornia* *indet.* (17%), *Zornia muriculata* (17%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. *indet.* after listed name = indeterminate species or genus

Eucalyptus cullenii and Corymbia hylandii or C. erythrophloia open-woodland on undulating plains and rises

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 30,475 29,790 98%

Species recorded: Total: 37; woody: 19; ground: 25; Avg. spp./site: 20.5; std dev.: 9.5, 2 site(s)

Basal area: Avg./site: 6.4 m²/ha, range: 6.0 - 7 m²/ha, std. deviation: 0 m²/ha, 2 site(s)

Structural formation: Woodland: 50%; open-woodland: 50%, 2 site(s)

Representative sites: 26770, 40859.

Stratum: T1

Height avg. = 13.0m, range 10-16m, 2 sites

Crown cover avg. = 27.1%, range 11.8-42.3%, 2 sites

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Eucalyptus cullenii (72, 100%), Corymbia hylandii (32, 50%), Corymbia erythrophloia (23, 50%)

Frequent species (cover, frequency): Eucalyptus cullenii (18, 100%), Amyema indet. (50%), Corymbia confertiflora (50%), Corymbia dallachiana (50%), Corymbia erythrophloia (9, 50%), Corymbia hylandii (3, 50%)

Stratum: T2

Height avg. = 8.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): Terminalia aridicola (20, 50%), Petalostigma pubescens (20, 50%), Dendrolobium arbuscula (20, 50%), Cryptostegia grandiflora (20, 50%), Corymbia confertiflora (20, 50%)*

Frequent species (cover, frequency): Corymbia confertiflora (50%), Cryptostegia grandiflora (50%), Dendrolobium arbuscula (50%), Petalostigma pubescens (50%), Terminalia aridicola (50%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.3m, range 0.6-2m, 2 sites

Crown cover avg. = 0.3%, range 0.0-0.6%, 2 sites

Stem density/ha avg. = 240, 1 site

Dominant species (relative cover, frequency): Indigofera linifolia (91, 50%), Ziziphus mauritiana (9, 50%), Terminalia aridicola (9, 50%), Maytenus cunninghamii (9, 50%), Larsenaikia ochreata (9, 50%)*

Frequent species (cover, frequency): Eucalyptus cullenii (100%), Angiosperm indet. (50%), Corymbia confertiflora (50%), Corymbia dallachiana (50%), Corymbia hylandii (50%), Ficus indet. (50%), Gardenia vilhelmii (50%), Grewia retusifolia (50%), Indigofera linifolia (1, 50%), Larsenaikia ochreata (50%), Maytenus cunninghamii (50%), Planchonia careya (50%), Terminalia aridicola (50%), Ziziphus mauritiana (50%)*

Stratum: G

Height avg. = 0.7m, range 0.5-0.8m, 2 sites

PFC avg. = 72.5%, range 65-80%, 2 sites

Dominant species (relative cover, frequency): Dichanthium indet. (40, 50%), Heteropogon contortus (31, 100%), Themeda triandra (25, 100%), Themeda quadrivalvis (14, 50%), Heteropogon triticeus (8, 100%)*

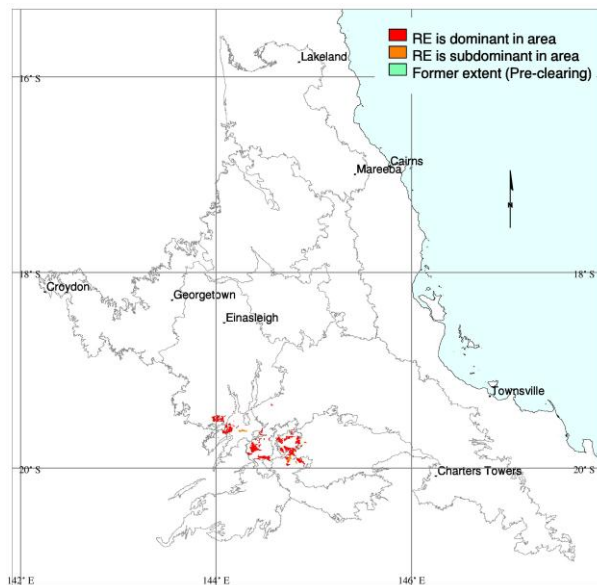
Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (24, 100%), Heteropogon triticeus (5, 100%), Themeda triandra (20, 100%), Arundinella setosa (50%), Chrysopogon fallax (1, 50%), Cyperaceae indet. (2, 50%), Dichanthium indet. (26, 50%), Eragrostis indet. (50%), Panicum decompositum (2, 50%), Sarga plumosum (2, 50%), Schizachyrium fragile (50%), Themeda quadrivalvis (9, 50%)*

FORBS: Acacia holosericea (50%), Bignoniaceae indet. (50%), Brunoniella indet. (50%), Glycine indet. (50%), Grewia latifolia (50%), Hibiscus meraukensis (50%), Malvaceae indet. (50%), Malvastrum indet. (50%), Pterocaulon indet. (50%), Sida indet. (50%), Stylosanthes scabra (3, 50%), Xylomelum scottianum (50%), Zornia indet. (50%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus crebra and Corymbia citriodora +/- Corymbia spp. woodland on metamorphic hills and mountains in far southwest of bioregion

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 43,488 43,372 100%

Species recorded: Total: 69; woody: 15; ground: 57; Avg. spp./site: 26.0; std dev.: 6.5, 4 site(s)

Basal area: Avg./site: 6.1 m²/ha, range: 4.5 - 7 m²/ha, std. deviation: 1 m²/ha, 5 site(s)

Structural formation: Woodland: 40%; open-forest: 40%; open-woodland: 20%, 5 site(s)

Representative sites: 26266, 26729, 26735, 26741, 26895.

Stratum: T1

Height avg. = 15.4m, range 11-17m, 5 sites

Crown cover avg. = 48.2%, range 1.6-78.1%, 5 sites

Stem density/ha avg. = 147, range 80-220, 3 sites

Dominant species (relative cover, frequency): Corymbia citriodora (58, 80%), Eucalyptus crebra (54, 100%)

Frequent species (cover, frequency): Eucalyptus crebra (23, 100%), Corymbia citriodora (32, 80%), Corymbia grandifolia (1, 20%)

Stratum: T2

Height avg. = 8.3m, range 7-10m, 4 sites

Crown cover avg. = 5.5%, range 0.0-15.9%, 4 sites

Stem density/ha avg. = 33, range 20-60, 3 sites

Dominant species (relative cover, frequency): Corymbia citriodora (50, 40%), Eucalyptus crebra (26, 40%)

Frequent species (cover, frequency): Corymbia citriodora (40%), Eucalyptus crebra (3, 40%), Acacia burdekinsii (6, 20%), Bursaria incana (20%), Grevillea glauca (4, 20%), Grevillea parallela (2, 20%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.6m, range 1.2-2m, 5 sites

Crown cover avg. = 15.3%, range 0.0-75.8%, 5 sites

Stem density/ha avg. = 80, range 40-140, 3 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (57, 40%), Corymbia citriodora (26, 60%), Maytenus cunninghamii (20, 80%)

Frequent species (cover, frequency): Maytenus cunninghamii (80%), Corymbia citriodora (60%), Eucalyptus crebra (40%), Acacia burdekensis (25, 20%), Capparis canescens (20%), Grewia retusifolia (20%), Hakea lorea (20%), Jacksonia ramosissima (25, 20%), Persoonia falcata (20%), Petalostigma pubescens (20%), Psydrax attenuata (20%)

Stratum: G

Height avg. = 0.8m, range 0.6-1m, 4 sites

PFC avg. = 38.8%, range 19-59%, 4 sites

Dominant species (relative cover, frequency): Heteropogon contortus (25, 60%), Themeda triandra (19, 60%), Sarga plumosum (11, 60%), Scleria brownii (11, 40%), Melinis repens (9, 60%)*

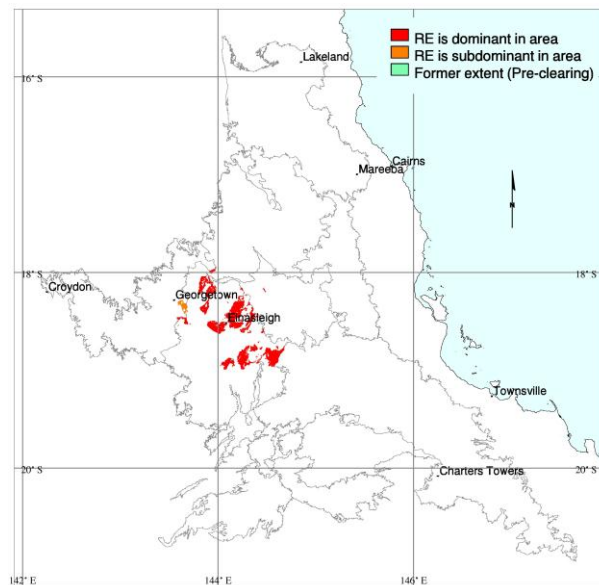
Frequent species (cover, frequency): GRAMINOIDS: Aristida indet. (1, 60%), Heteropogon contortus (6, 60%), Heteropogon triticeus (4, 60%), Melinis repens (2, 60%), Sarga plumosum (5, 60%), Themeda triandra (11, 60%), Arundinella nepalensis (40%), Bothriochloa pertusa* (40%), Mnesithea rottboellioides (40%), Scleria brownii (3, 40%), Aristida leptopoda (4, 20%), Arundinella setosa (20%), Bothriochloa indet. (20%), Cymbopogon bombycinus (20%), Cymbopogon indet. (2, 20%), Enneapogon indet. (20%), Eriachne mucronata (4, 20%), Eriachne obtusa (20%), Panicum indet. (20%), Panicum simile (10, 20%), Schizachyrium fragile (20%), Triodia indet. (20, 20%), Urochloa holosericea subsp. holosericea (20%)*

FORBS: Indigofera pratensis (60%), Chamaecrista mimosoides (40%), Chamaecrista nomame (2, 40%), Chamaesyce indet. (40%), Crotalaria brevis (40%), Cyathium cinereum (40%), Desmodium rhytidophyllum (40%), Grewia retusifolia (40%), Indigofera hirsuta (2, 40%), Uraria lagopodioides (40%), Breynia oblongifolia (20%), Brunoniella acaulis (20%), Brunoniella australis (20%), Cheilanthes brownii (20%), Cheilanthes indet. (20%), Chrysocephalum indet. (20%), Corymbia citriodora (1, 20%), Dianella indet. (20%), Galactia indet. (20%), Glycine indet. (20%), Indigofera linifolia (20%), Lomandra filiformis (1, 20%), Lomandra longifolia (20%), Lomandra multiflora (20%), Pavetta granitica (20%), Peripleura diffusa (20%), Peripleura hispidula (20%), Petalostigma pubescens (20%), Phyllanthus virgatus (20%), Spermacoce brachystema (20%), Stylosanthes hamata (20%), Tephrosia juncea (20%), Trema tomentosa (20%), Vigna radiata (1, 20%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus crebra or E. cullenii +/- Corymbia pocillum or C. erythrophloia woodland on low hills and rises to undulating plains

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 127,783 126,488 99%

Species recorded: Total: 114; woody: 32; ground: 85; Avg. spp./site: 25.4; std dev.: 4.4, 7 site(s)

Basal area: Avg./site: 3.9 m²/ha, range: 1.0 - 7 m²/ha, std. deviation: 2 m²/ha, 6 site(s)

Structural formation: Woodland: 43%; open-woodland: 43%; low woodland: 14%, 7 site(s)

Representative sites: 25982, 26050, 26191, 26193, 26202, 26638, 26685.

Stratum: T1

Height avg. = 13.0m, range 8-18m, 7 sites

Crown cover avg. = 20.5%, range 4.4-63.1%, 7 sites

Stem density/ha avg. = 163, range 20-640, 7 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (75, 57%), Eucalyptus cullenii (57, 29%), Corymbia dallachiana (33, 43%), Erythrophleum chlorostachys (31, 29%), Corymbia pocillum (6, 29%)

Frequent species (cover, frequency): Eucalyptus crebra (12, 57%), Corymbia dallachiana (2, 43%), Corymbia pocillum (2, 29%), Erythrophleum chlorostachys (5, 29%), Eucalyptus cullenii (17, 29%), Acacia bidwillii (14%), Brachychiton diversifolius (14%), Corymbia erythrophloia (2, 14%), Eucalyptus exilipes (12, 14%), Eucalyptus leptophleba (14%), Grevillea parallela (14%), Lysiphyllum cunninghamii (14%)

Stratum: T2

Height avg. = 6.0m, range 5-7m, 2 sites

Crown cover avg. = 7.7%, range 1.6-13.8%, 2 sites

Stem density/ha avg. = 130, range 100-160, 2 sites

Frequent species (cover, frequency): Corymbia erythrophloia (1, 14%), Eucalyptus crebra (1, 14%), Terminalia aridicola (14, 14%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.0m, range 0.7-4m, 7 sites

Crown cover avg. = 0.6%, range 0.0-2.9%, 7 sites

Stem density/ha avg. = 387, range 120-980, 6 sites

Dominant species (relative cover, frequency): *Gardenia vilhelmii* (88, 29%), *Acacia bidwillii* (43, 43%), *Carissa lanceolata* (22, 57%), *Hakea arborescens* (17, 29%), *Eucalyptus crebra* (17, 29%)

Frequent species (cover, frequency): *Maytenus cunninghamii* (71%), *Carissa lanceolata* (57%), *Acacia bidwillii* (1, 43%), *Corymbia erythrophloia* (29%), *Eucalyptus crebra* (29%), *Gardenia vilhelmii* (1, 29%), *Hakea arborescens* (29%), *Archidendropsis basaltica* (14%), *Atalaya hemiglaucula* (14%), *Bursaria incana* (14%), *Capparis canescens* (14%), *Carissa indet.* (14%), *Corymbia dallachiana* (14%), *Corymbia pocillum* (14%), *Dodonaea physocarpa* (14%), *Ehretia membranifolia* (14%), *Erythrophleum chlorostachys* (14%), *Erythroxylum ellipticum* (14%), *Eucalyptus cullenii* (14%), *Eucalyptus exilipes* (14%), *Eucalyptus leptophleba* (14%), *Grevillea mimosoides* (14%), *Grewia retusifolia* (14%), *Melaleuca bracteata* (14%), *Pterocaulon sphacelatum* (14%), *Santalum lanceolatum* (14%), *Solanum indet.* (14%), *Terminalia aridicola* (14%), *Terminalia platyptera* (14%)

Stratum: G

Height avg. = 0.5m, range 0.4-0.6m, 7 sites

PFC avg. = 51.7%, range 30-69%, 7 sites

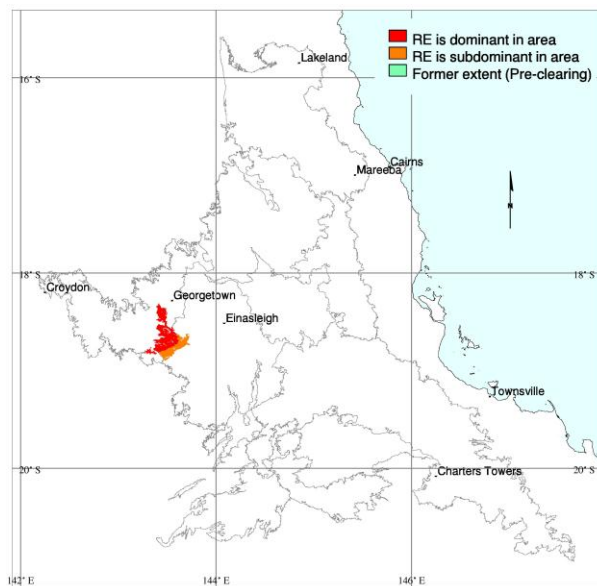
Dominant species (relative cover, frequency): *Bothriochloa indet.* (30, 43%), *Heteropogon contortus* (24, 86%), *Aristida indet.* (15, 43%), *Sarga plumosum* (13, 29%), *Panicum indet.* (9, 29%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (14, 86%), *Themeda triandra* (1, 57%), *Aristida indet.* (8, 43%), *Bothriochloa indet.* (16, 43%), *Bothriochloa ewartiana* (4, 29%), *Eragrostis tenellula* (29%), *Melinis repens** (29%), *Panicum effusum* var. *effusum* (29%), *Panicum indet.* (6, 29%), *Sarga plumosum* (5, 29%), *Themeda quadrivalvis** (5, 29%), *Alloteropsis semialata* (14%), *Aristida jerichoensis* var. *subspinulifera* (5, 14%), *Aristida latifolia* (1, 14%), *Aristida perniciosus* (6, 14%), *Bothriochloa decipiens* (14%), *Capillipedium parviflorum* (4, 14%), *Cymbopogon bombycinus* (14%), *Cyperus indet.* (14%), *Dichanthium indet.* (14%), *Dichanthium sericeum* subsp. *humilius* (4, 14%), *Dichanthium setosum* (52, 14%), *Enneapogon indet.* (14%), *Enneapogon lindleyanus* (14%), *Enneapogon polyphyllus* (2, 14%), *Enneapogon virens* (14%), *Heteropogon triticeus* (14%), *Panicum decompositum* (1, 14%), *Poaceae indet.* (13, 14%), *Schizachyrium fragile* (14%), *Schizachyrium indet.* (6, 14%), *Scleria brownii* (14%), *Scleria sphacelata* (3, 14%), *Sorghum indet.* (14%)
FORBS: *Grewia retusifolia* (71%), *Brunoniella australis* (1, 57%), *Glycine indet.* (1, 43%), *Indigofera linnaei* (43%), *Spermacoce indet.* (1, 43%), *Stylosanthes scabra** (1, 43%), *Acmella grandiflora* var. *brachyglossa* (29%), *Indigofera linifolia* (2, 29%), *Lomandra indet.* (29%), *Malvastrum americanum* var. *americanum** (2, 29%), *Melhantha oblongifolia* (29%), *Neptunia indet.* (29%), *Rostellularia adscendens* (29%), *Stylosanthes indet.* (29%), *Achyranthes indet.* (14%), *Alternanthera nana* (14%), *Angiosperm indet.* (14%), *Bidens bipinnata** (14%), *Boerhavia indet.* (14%), *Capparis lanceolaris* (14%), *Chamaesyce alsiniflora* (14%), *Crotalaria medicaginea* (14%), *Cyanthillium cinereum* (14%), *Desmodium indet.* (14%), *Desmodium varians* (4, 14%), *Dianella longifolia* (14%), *Fabaceae indet.* (14%), *Glycine tomentella* (14%), *Gomphrena celosioides** (14%), *Goodenia armitiana* (14%), *Grevillea mimosoides* (14%), *Hibiscus meraukensis* (14%), *Indigofera pratensis* (14%), *Ipomoea eriocarpa* (14%), *Malvaceae indet.* (14%), *Peripleura hispidula* (14%), *Phyllanthus maderaspatensis* (14%), *Phyllanthus virgatus* (14%), *Polycarpha corymbosa* (14%), *Pterocaulon redolens* (14%), *Rhynchosia indet.* (14%), *Salsola kali* (14%), *Sida hackettiana* (14%), *Solanum dianthophorum* (14%), *Solanum indet.* (14%), *Stylosanthes hamata** (14%), *Tephrosia filipes* (14%), *Tephrosia indet.* (14%), *Uria lagopodioides* (14%), *Waltheria indica* (14%), *Wedelia spilanthis* (14%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus whitei +/- Corymbia pocillum open-woodland on highly dissected hills

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 61,629 61,437 100%

Species recorded: Total: 68; woody: 21; ground: 49; Avg. spp./site: 17.4; std dev.: 3.3, 7 site(s)

Basal area: Avg./site: 5.5 m²/ha, range: 3.5 - 8 m²/ha, std. deviation: 1 m²/ha, 6 site(s)

Structural formation: Open-woodland: 57%; woodland: 29%; low woodland: 14%, 7 site(s)

Representative sites: 25964, 26209, 26678, 26760, 26763, 26764, 26775.

Stratum: T1

Height avg. = 10.4m, range 7-13m, 7 sites

Crown cover avg. = 22.1%, range 1.6-46.5%, 7 sites

Stem density/ha avg. = 103, range 20-260, 6 sites

Dominant species (relative cover, frequency): Eucalyptus whitei (63, 86%), Eucalyptus microneura (31, 43%), Corymbia pocillum (30, 71%), Terminalia aridicola (25, 29%)

Frequent species (cover, frequency): Eucalyptus whitei (15, 86%), Corymbia pocillum (6, 71%), Eucalyptus microneura (1, 43%), Terminalia aridicola (29%), Corymbia confertiflora (1, 14%), Corymbia terminalis (1, 14%), Eucalyptus crebra (14%), Terminalia platyptera (3, 14%)

Stratum: S1

Height avg. = 2.4m, range 1.5-4m, 7 sites

Crown cover avg. = 5.7%, range 0.0-18.1%, 7 sites

Stem density/ha avg. = 330, range 20-680, 6 sites

Dominant species (relative cover, frequency): Corymbia pocillum (42, 43%), Maytenus cunninghamii (24, 57%), Terminalia aridicola (22, 43%), Gardenia vilhelmii (18, 43%), Petalostigma banksii (16, 43%)

Frequent species (cover, frequency): Eucalyptus whitei (71%), Maytenus cunninghamii (2, 57%), Corymbia pocillum (1, 43%), Gardenia vilhelmii (43%), Petalostigma banksii (2, 43%), Terminalia aridicola (43%), Carissa lanceolata (29%), Grevillea mimosoides (29%), Acacia bidwillii (14%), Acacia hemignosta (14%), Acacia leptostachya (14%), Dodonaea physocarpa (14%), Dolichandrone heterophylla (14%), Eucalyptus crebra (2, 14%), Eucalyptus microneura (2, 14%), Hakea arborescens (14%), Melaleuca citrolens (6, 14%), Terminalia aridicola subsp. chillagoensis (2, 14%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.6m, range 0.5-0.8m, 7 sites

PFC avg. = 60.0%, range 38-80%, 7 sites

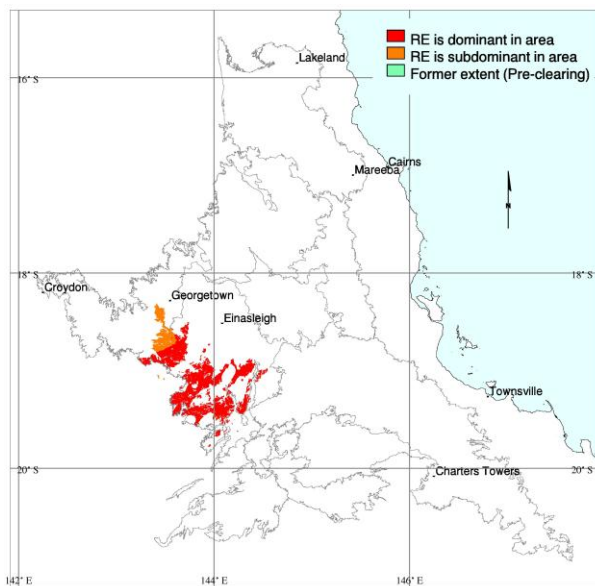
Dominant species (relative cover, frequency): *Heteropogon contortus* (34, 86%), *Enneapogon indet.* (21, 29%), *Schizachyrium indet.* (18, 43%), *Aristida indet.* (18, 43%), *Capillipedium parviflorum* (13, 43%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (16, 86%), *Themeda triandra* (57%), *Aristida indet.* (11, 43%), *Capillipedium parviflorum* (7, 43%), *Schizachyrium indet.* (10, 43%), *Dichanthium indet.* (2, 29%), *Enneapogon indet.* (12, 29%), *Poaceae indet.* (6, 29%), *Aristida calycina* var. *calycina* (14%), *Aristida ingrata* (10, 14%), *Aristida lazardis* (35, 14%), *Enneapogon lindleyanus* (14%), *Eriachne indet.* (1, 14%), *Heteropogon triticeus* (14%), *Panicum indet.* (1, 14%), *Schizachyrium fragile* (5, 14%), *Scleria sphacelata* (2, 14%), *Sorghum indet.* (14%), *Triodia indet.* (21, 14%)
FORBS: *Grewia retusifolia* (57%), *Indigofera linnaei* (3, 57%), *Grevillea mimosoides* (43%), *Indigofera hirsuta* (3, 29%), *Indigofera linifolia* (29%), *Pterocaulon indet.* (29%), *Spermacoce indet.* (29%), *Trichodesma zeylanicum* (29%), *Acanthaceae indet.* (14%), *Achyranthes aspera* (14%), *Amaranthaceae indet.* (14%), *Asteraceae indet.* (14%), *Bidens bipinnata** (14%), *Crotalaria indet.* (14%), *Dodonaea physocarpa* (14%), *Evolvulus alsinoides* (14%), *Fabaceae indet.* (14%), *Glycine indet.* (14%), *Heliotropium peninsulare* (14%), *Hyptis indet.* (14%), *Indigofera indet.* (14%), *Malvaceae indet.* (2, 14%), *Malvastrum americanum* var. *americanum** (14%), *Melhania oblongifolia* (14%), *Planchonia careya* (14%), *Polycarpaea indet.* (14%), *Sida cordifolia** (14%), *Sida indet.* (14%), *Sterculiaceae indet.* (14%), *Stylosanthes indet.* (14%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus crebra +/- Corymbia erythrophloia or C. pocillum woodland on steep to rolling hills

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 313,569 312,637 100%

Species recorded: Total: 164; woody: 41; ground: 133; Avg. spp./site: 22.7; std dev.: 10.4, 15 site(s)

Basal area: Avg./site: 6.1 m²/ha, range: 3.0 - 11 m²/ha, std. deviation: 2 m²/ha, 16 site(s)

Structural formation: Woodland: 63%; open-woodland: 31%; open-forest: 6%, 16 site(s)

Representative sites: 26205, 26207, 26213, 26236, 26731, 26733, 26756, 26765, 26777, 26856, 26858, 26863, 26879, 26887, 26888, 26889.

Stratum: T1

Height avg. = 13.5m, range 9-20m, 16 sites

Crown cover avg. = 25.8%, range 6.1-59.7%, 16 sites

Stem density/ha avg. = 133, range 60-280, 11 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (81, 94%), Corymbia erythrophloia (18, 63%)

Frequent species (cover, frequency): Eucalyptus crebra (18, 94%), Corymbia erythrophloia (3, 63%), Corymbia dallachiana (13%), Acacia leptostachya (6%), Callitris intratropica (2, 6%), Corymbia clarksoniana (9, 6%), Corymbia indet. (6%), Corymbia peltata (6%), Corymbia pocillum (8, 6%), Eucalyptus whitei (49, 6%)

Stratum: T2

Height avg. = 7.6m, range 5-12m, 5 sites

Crown cover avg. = 4.2%, range 0.6-15.9%, 6 sites

Stem density/ha avg. = 145, range 40-320, 4 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (43, 38%)

Frequent species (cover, frequency): Eucalyptus crebra (1, 38%), Corymbia erythrophloia (5, 19%), Corymbia clarksoniana (2, 6%), Corymbia peltata (6%), Erythroxylum ellipticum (1, 6%), Hakea arborescens (6%), Maytenus cunninghamii (6%), Psydrax attenuata (6%), Terminalia aridicola (1, 6%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.0m, range 0.75-3m, 14 sites

Crown cover avg. = 1.5%, range 0.0-15.9%, 15 sites

Stem density/ha avg. = 136, range 20-280, 10 sites

Dominant species (relative cover, frequency): *Acacia bidwillii* (30, 25%), *Corymbia erythrophloia* (23, 44%), *Eucalyptus crebra* (21, 63%), *Maytenus cunninghamii* (19, 63%)

Frequent species (cover, frequency): *Eucalyptus crebra* (63%), *Maytenus cunninghamii* (63%), *Corymbia erythrophloia* (44%), *Acacia bidwillii* (25%), *Carissa lanceolata* (19%), *Erythroxylum ellipticum* (19%), *Acacia* indet. (13%), *Acacia leptostachya* (13%), *Alphitonia pomaderoides* (13%), *Grewia retusifolia* (13%), *Petalostigma banksii* (13%), *Pterocaulon sphacelatum* (13%), *Terminalia aridicola* (13%), *Acacia farnesiana** (6%), *Acacia hemignosta* (6%), *Acacia julifera* (6%), *Archidendropsis basaltica* (6%), *Atalaya hemiglaucula* (6%), *Bursaria incana* (6%), *Callitris intratropica* (6%), *Capparis canescens* (6%), *Corymbia pocillum* (6%), *Dodonaea physocarpa* (6%), *Dolichandrone heterophylla* (6%), *Eucalyptus whitei* (6%), *Grevillea mimosoides* (6%), *Hakea lorea* (6%), *Hakea persiehana* (6%), *Persoonia falcata* (6%), *Petalostigma pubescens* (6, 6%), *Pleiogynium timorense* (6%), *Psydrax attenuata* (6%), *Santalum lanceolatum* (6%), *Sida hackettiana* (6%), *Sida rohlenae* (6%), *Terminalia aridicola* subsp. *chillagoensis* (2, 6%)

Stratum: G

Height avg. = 0.7m, range 0.1-1m, 15 sites

PFC avg. = 55.5%, range 35-82%, 15 sites

Dominant species (relative cover, frequency): *Bothriochloa* indet. (36, 25%), *Heteropogon contortus* (31, 88%), *Sarga plumosum* (25, 31%), *Heteropogon triticeus* (19, 25%), *Capillipedium parviflorum* (18, 31%)

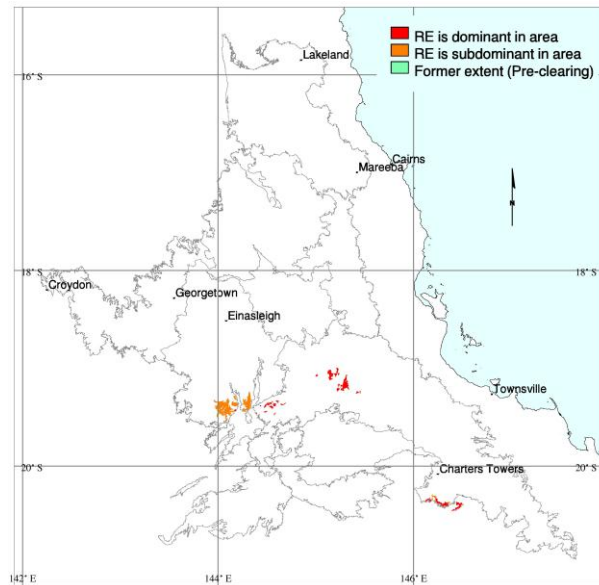
Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (17, 88%), *Themeda triandra* (7, 75%), *Aristida* indet. (4, 50%), *Capillipedium parviflorum* (11, 31%), *Enneapogon* indet. (3, 31%), *Sarga plumosum* (14, 31%), *Bothriochloa* indet. (27, 25%), *Heteropogon triticeus* (12, 25%), *Melinis repens** (1, 25%), *Chrysopogon fallax* (3, 19%), *Cymbopogon bombycinus* (1, 19%), *Scleria* indet. (1, 19%), *Aristida inaequiglumis* (8, 13%), *Cymbopogon* indet. (13%), *Digitaria* indet. (13%), *Enneapogon lindleyanus* (13%), *Panicum* indet. (1, 13%), *Poaceae* indet. (1, 13%), *Schizachyrium* indet. (3, 13%), *Aristida acuta* (15, 6%), *Aristida calycina* (6%), *Aristida lazaridis* (6%), *Arundinella nepalensis* (6%), *Bothriochloa bladhii* (6%), *Bothriochloa decipiens* var. *decipiens* (5, 6%), *Bothriochloa pertusa** (6%), *Cenchrus* indet. (6%), *Cyperaceae* indet. (1, 6%), *Dichanthium* indet. (6%), *Dichanthium sericeum* subsp. *sericeum* (2, 6%), *Dichanthium setosum* (4, 6%), *Digitaria ciliaris** (6%), *Enneapogon purpurascens* (6%), *Eragrostis* indet. (6%), *Eriachne mucronata* (6%), *Fimbristylis* indet. (6%), *Mnesithea formosa* (6%), *Panicum effusum* (6%), *Schizachyrium fragile* (10, 6%), *Scleria brownii* (6%), *Sehima nervosum* (6%), *Setaria* indet. (6%), *Sporobolus australasicus* (6%), *Sporobolus* indet. (1, 6%), *Themeda quadrivalvis** (6%), *Urochloa holosericea* subsp. *holosericea* (6%)

FORBS: *Grewia retusifolia* (1, 50%), *Cyanthillium cinereum* (38%), *Indigofera linnaei* (31%), *Pterocaulon* indet. (25%), *Crotalaria montana* (19%), *Evolvulus alsinoides* (19%), *Fabaceae* indet. (19%), *Glycine* indet. (1, 19%), *Glycine tomentella* (1, 19%), *Indigofera hirsuta* (1, 19%), *Indigofera pratensis* (3, 19%), *Phyllanthus virgatus* (19%), *Rostellularia adscendens* (19%), *Spermacoce* indet. (19%), *Wedelia spilanthis* (19%), *Zornia muriculata* (19%), *Asteraceae* indet. (13%), *Brunoniella australis* (1, 13%), *Crotalaria medicaginea* (13%), *Desmodium brachypodum* (13%), *Desmodium rhytidophyllum* (13%), *Dianella* indet. (13%), *Dianella rara* (13%), *Dodonaea physocarpa* (1, 13%), *Eucalyptus crebra* (13%), *Hybanthus enneaspermus* (13%), *Indigofera linifolia* (13%), *Polycarpha corymbosa* (13%), *Pycnospora lutescens* (1, 13%), *Rhynchosia minima* (3, 13%), *Stylosanthes* indet. (13%), *Tephrosia filipes* (1, 13%), *Tephrosia juncea* (13%), *Uraria lagopodioides* (1, 13%), *Abutilon* indet. (6%), *Acacia bidwillii* (1, 6%), *Archidendropsis basaltica* (1, 6%), *Atalaya hemiglaucula* (6%), *Bidens pilosa** (6%), *Breynia oblongifolia* (6%), *Brunoniella acaulis* (1, 6%), *Brunoniella* indet. (6%), *Cajanus acutifolius* (6%), *Cajanus marmoratus* (6%), *Cayratia trifolia* (6%), *Chamaecrista* indet. (6%), *Chamaecrista mimosoides* (6%), *Chamaecrista nomame* (3, 6%), *Chamaesyce* indet. (6%), *Chamaesyce mitchelliana* (6%), *Cheilanthes* indet. (6%), *Chrysocephalum* indet. (6%), *Commelina ensifolia* (6%), *Corymbia erythrophloia* (1, 6%), *Crotalaria brevis* (6%), *Crotalaria calycina* (6%), *Crotalaria* indet. (6%), *Dodonaea* indet. (6%), *Euphorbia* indet. (6%), *Galactia tenuiflora* (6%), *Galactia tenuiflora* forma *sericea* (6%), *Glycine curvata* (6%), *Hibiscus* indet. (6%), *Hibiscus meraukensis* (6%), *Indigostrum parviflorum* (6%), *Indigofera colutea* (6%), *Indigofera* indet. (6%), *Indigofera pratensis* var. *pratensis* (6%), *Ipomoea eriocarpa* (6%), *Jacquemontia paniculata* (6%), *Lomandra* indet. (1, 6%), *Maytenus cunninghamii* (6%), *Melhanie oblongifolia* (1, 6%), *Olearia arguta* (1, 6%), *Peripleura hispidula* var. *setosa* (6%), *Pimelea sericostachya* (6%), *Polymeria longifolia* (6%), *Prostanthera* indet. (6%), *Pterocaulon sphacelatum* (6%), *Rhynchosia minima* var. *australis* (1, 6%), *Sida hackettiana* (6%), *Solanum* indet. (6%), *Stylosanthes scabra** (6%), *Vigna* indet. (6%), *Vigna radiata* (2, 6%), *Vittadinia* indet. (6%), *Wahlenbergia* indet. (6%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Corymbia peltata +/- Eucalyptus crebra +/- E. shirleyi or E. melanophloia low open-woodland on metamorphic hills and mountains

C. Kahler

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 30,366 30,314 100%

Species recorded: Total: 57; woody: 24; ground: 33; Avg. spp./site: 23.0; std dev.: 1.4, 3 site(s)

Basal area: Avg./site: 6.4 m²/ha, range: 5.5 - 7 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

Structural formation: Open-woodland: 67%; low woodland: 33%, 3 site(s)

Representative sites: 25613, 26979, 39389.

Stratum: T1

Height avg. = 11.7m, range 8-16m, 3 sites

Crown cover avg. = 13.4%, range 6.1-20.3%, 3 sites

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Corymbia peltata (44, 100%), Eucalyptus crebra (30, 33%), Eucalyptus exilipes (27, 33%), Eucalyptus shirleyi (25, 100%), Terminalia aridicola (17, 33%)

Frequent species (cover, frequency): Corymbia peltata (4, 100%), Eucalyptus shirleyi (3, 100%), Acacia indet. (33%), Corymbia dallachiana (33%), Eucalyptus crebra (3, 33%), Eucalyptus exilipes (4, 33%), Eucalyptus melanophloia (33%), Eucalyptus xanthoclada (1, 33%), Terminalia aridicola (1, 33%)

Stratum: T2

Height avg. = 7.5m, range 5-10m, 2 sites

Crown cover avg. = 0.3%, range 0.0-0.6%, 2 sites

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Petalostigma pubescens (77, 33%), Terminalia aridicola (20, 33%), Persoonia falcata (20, 33%), Bursaria incana (20, 33%), Alphitonia excelsa (20, 33%)

Frequent species (cover, frequency): Eucalyptus shirleyi (67%), Acacia leptostachya (33%), Alphitonia excelsa (33%), Bursaria incana (33%), Corymbia peltata (33%), Persoonia falcata (33%), Petalostigma pubescens (33%), Pogonolobus reticulatus (33%), Terminalia aridicola (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.6m, range 1-2.5m, 3 sites

Crown cover avg. = 5.3%, range 0.0-15.9%, 3 sites

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): *Grevillea glauca* (56, 33%), *Erythroxylum australe* (29, 33%), *Acacia leptostachya* (29, 33%), *Canthium indet.* (29, 33%), *Bursaria indet.* (20, 33%)

Frequent species (cover, frequency): *Eucalyptus shirleyi* (67%), *Maytenus cunninghamii* (67%), *Persoonia falcata* (67%), *Acacia indet.* (33%), *Acacia leptostachya* (2, 33%), *Alphitonia excelsa* (1, 33%), *Bursaria incana* (33%), *Bursaria indet.* (33%), *Canthium indet.* (2, 33%), *Capparis canescens* (33%), *Corymbia dallachiana* (33%), *Corymbia peltata* (33%), *Erythroxylum australe* (2, 33%), *Grevillea glauca* (33%), *Hakea chordophylla* (33%), *Psyrax oleifolia* (33%), *Santalum lanceolatum* (33%)

Stratum: G

Height avg. = 0.3m, range 0.2-0.5m, 3 sites

PFC avg. = 37.7%, range 0-85%, 3 sites

Dominant species (relative cover, frequency): *Themeda triandra* (70, 33%), *Schizachyrium fragile* (39, 33%), *Heteropogon contortus* (19, 100%), *Chrysopogon fallax* (12, 33%), *Hibiscus meraukensis* (11, 33%)

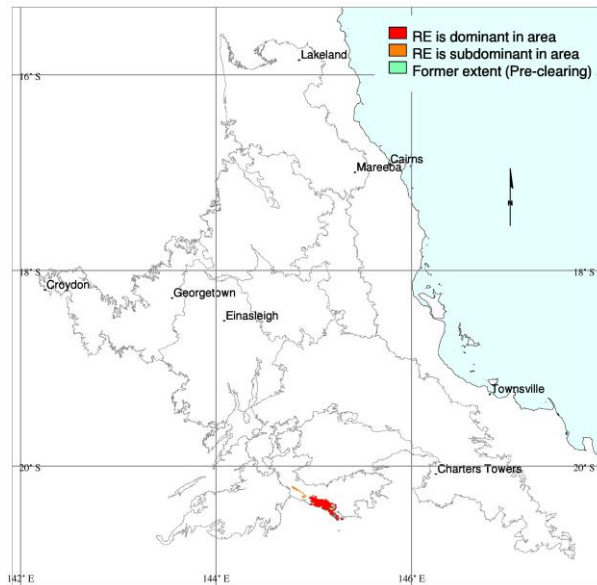
Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (5, 100%), *Heteropogon triticeus* (3, 67%), *Setaria surgens* (67%), *Aristida holathera* var. *holathera* (33%), *Aristida indet.* (2, 33%), *Arundinella indet.* (2, 33%), *Chrysopogon fallax* (10, 33%), *Cymbopogon bombycinus* (5, 33%), *Enneapogon lindleyanus* (33%), *Eriachne ciliata* (33%), *Eriachne mucronata* (33%), *Mnesithea rottboellioides* (33%), *Schizachyrium fragile* (11, 33%), *Scleria sphacelata* (1, 33%), *Themeda quadrivalvis** (33%), *Themeda triandra* (60, 33%)

FORBS: *Angiosperm indet.* (1, 33%), *Cajanus indet.* (33%), *Chamaecrista indet.* (33%), *Galactia muelleri* (33%), *Glossocardia refracta* (33%), *Grewia retusifolia* (33%), *Hibiscus meraukensis* (33%), *Indigofera hirsuta* (33%), *Indigofera linnaei* (1, 33%), *Lomandra indet.* (33%), *Lomandra longifolia* (33%), *Pterocaulon sphacelatum* (33%), *Spermacoce brachystema* (33%), *Tephrosia filipes* (33%), *Uria indet.* (33%), *Wahlenbergia indet.* (33%), *Wedelia spilanthis* (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

***Eucalyptus quadricostata* +/- *Corymbia erythrophloia* +/- *C. leichhardtii* open-woodland on metamorphic hills and ranges**


M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 29,030 26,775 92%

Species recorded: Total: 107; woody: 30; ground: 81; Avg. spp./site: 34.2; std dev.: 12.5, 5 site(s)

Basal area: Avg./site: 3.2 m²/ha, range: 2.0 - 5 m²/ha, std. deviation: 1 m²/ha, 3 site(s)

Structural formation: Open-woodland: 60%; woodland: 40%, 5 site(s)

Representative sites: 25821, 25823, 26011, 26012, 39385.

Stratum: T1

Height avg. = 14.6m, range 11-20m, 5 sites

Crown cover avg. = 16.9%, range 6.1-29.2%, 5 sites

Stem density/ha avg. = 60, range 20-100, 3 sites

Dominant species (relative cover, frequency): Eucalyptus quadricostata (67, 100%), Corymbia leichhardtii (56, 40%), Corymbia erythrophloia (11, 60%), Corymbia lamprophylla (9, 40%)

Frequent species (cover, frequency): Eucalyptus quadricostata (11, 100%), Corymbia erythrophloia (2, 60%), Corymbia lamprophylla (1, 40%), Corymbia leichhardtii (4, 40%), Corymbia citriodora (20%), Eucalyptus exilipes (20%), Eucalyptus shirleyi (20%), Lysicarpus angustifolius (20%)

Stratum: T2

Height avg. = 7.6m, range 6-9m, 5 sites

Crown cover avg. = 0.4%, range 0.0-0.6%, 5 sites

Stem density/ha avg. = 150, range 20-280, 2 sites

Dominant species (relative cover, frequency): Bursaria incana (70, 60%), Eucalyptus quadricostata (63, 40%), Corymbia erythrophloia (7, 40%)

Frequent species (cover, frequency): Bursaria incana (60%), Corymbia erythrophloia (40%), Eucalyptus quadricostata (40%), Corymbia lamprophylla (20%), Grevillea glauca (20%), Grevillea parallela (20%), Lysicarpus angustifolius (20%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.7m, range 1-2m, 5 sites

Crown cover avg. = 1.8%, range 0.0-7.9%, 5 sites

Stem density/ha avg. = 793, range 240-1580, 3 sites

Dominant species (relative cover, frequency): *Xanthorrhoea johnsonii* (89, 40%), *Bursaria incana* (43, 60%), *Grewia retusifolia* (15, 40%), *Maytenus cunninghamii* (15, 100%), *Acacia victoriae* (13, 40%)

Frequent species (cover, frequency): *Maytenus cunninghamii* (100%), *Bursaria incana* (60%), *Eucalyptus quadricostata* (60%), *Acacia victoriae* (40%), *Grewia retusifolia* (40%), *Jacksonia ramosissima* (40%), *Xanthorrhoea johnsonii* (5, 40%), *Acacia hemignosta* (20%), *Acacia hyaloneura* (20%), *Acacia leptostachya* (20%), *Carissa lanceolata* (20%), *Corymbia leichhardtii* (20%), *Distichostemon dodecandrus* (1, 20%), *Dodonaea lanceolata* (20%), *Gastrolobium grandiflorum* (20%), *Grevillea decora subsp. decora* (20%), *Grevillea glauca* (20%), *Grevillea parallela* (20%), *Hovea lanceolata* (20%), *Persoonia falcata* (20%), *Petalostigma banksii* (20%), *Platysace valida* (20%), *Pogonolobus reticulatus* (20%), *Sida* indet. (20%)

Stratum: G

Height avg. = 0.4m, range 0.2-0.5m, 5 sites

PFC avg. = 39.4%, range 10-80%, 5 sites

Dominant species (relative cover, frequency): *Triodia mitchellii* (48, 40%), *Themeda triandra* (41, 60%), *Enneapogon polyphyllus* (19, 60%), *Heteropogon contortus* (16, 80%), *Scleria brownii* (5, 60%)

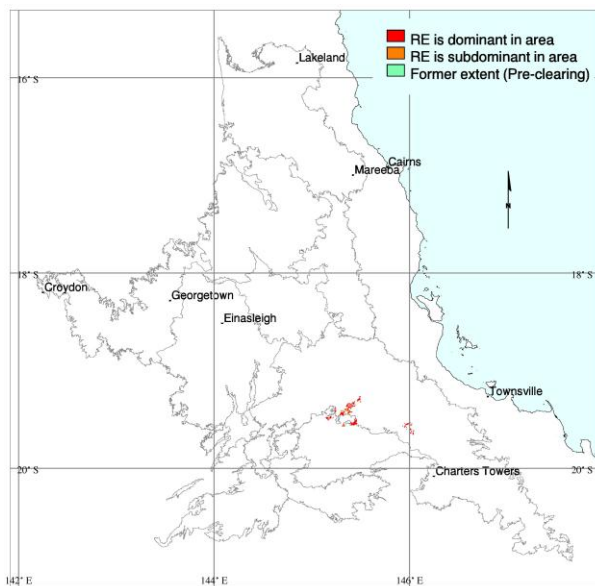
Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (5, 80%), *Enneapogon polyphyllus* (2, 60%), *Panicum effusum* var. *effusum* (60%), *Scleria brownii* (2, 60%), *Themeda triandra* (13, 60%), *Aristida calycina* (40%), *Bulbostylis barbata* (40%), *Chrysopogon fallax* (40%), *Cymbopogon bombycinus* (40%), *Dichanthium sericeum* subsp. *sericeum* (40%), *Enneapogon lindleyanus* (40%), *Eriachne mucronata* (40%), *Eulalia aurea* (40%), *Fimbristylis dichotoma* (40%), *Melinis repens** (40%), *Schizachyrium fragile* (40%), *Triodia mitchellii* (5, 40%), *Aristida exserta* (20%), *Aristida holathera* (20%), *Aristida* indet. (2, 20%), *Aristida ingrata* (20%), *Aristida queenslandica* var. *dissimilis* (20%), *Arundinella nepalensis* (20%), *Bothriochloa decipiens* var. *decipiens* (20%), *Bothriochloa ewartiana* (20%), *Digitaria ramularis* (20%), *Heteropogon triticeus* (20%), *Panicum decompositum* (20%), *Panicum* indet. (20%), *Sehima nervosum* (20%), *Sporobolus australasicus* (1, 20%), *Triodia pungens* (1, 20%)

FORBS: *Brunoniella australis* (80%), *Evolvulus alsinoides* (80%), *Indigofera linnaei* (80%), *Rostellularia adscendens* (80%), *Camptacra barbata* (40%), *Chamaesyce mitchelliana* (40%), *Cheilanthes sieberi* (40%), *Euphorbia* indet. (40%), *Indigofera pratensis* (40%), *Lomandra multiflora* subsp. *multiflora* (40%), *Oldenlandia mitrasacmoides* (40%), *Rhynchosia minima* (40%), *Zornia muriculata* (40%), *Blumea diffusa* (20%), *Chamaesyce drummondii* (20%), *Chamaesyce hirta** (20%), *Chrysocephalum apiculatum* (20%), *Crotalaria medicaginea* (20%), *Crotalaria montana* (20%), *Cyanthillium cinereum* (20%), *Desmodium rhytidophyllum* (20%), *Galactia tenuiflora* (20%), *Glossocardia bidens* (20%), *Glycine* indet. (20%), *Glycine tomentella* (20%), *Gomphrena celosioides** (20%), *Grewia retusifolia* (20%), *Helichrysum lanuginosum* (20%), *Indigofera colutea* (20%), *Marsdenia pleiadenia* (20%), *Melhania oblongifolia* (20%), *Pararistolochia praevenosa* (20%), *Peripleura hispidula* (20%), *Peripleura obovata* (20%), *Phyllanthus maderaspatensis* (20%), *Phyllanthus virgatus* (20%), *Platysace valida* (20%), *Polycarpaea corymbosa* (20%), *Portulaca oleracea** (20%), *Pterocaulon redolens* (20%), *Pterocaulon sphacelatum* (20%), *Sida spinosa** (20%), *Solanum ellipticum* (20%), *Spermacoce brachystema* (20%), *Stackhousia viminea* (20%), *Tephrosia filipes* (20%), *Tephrosia juncea* (20%), *Uria lagopodioides* (20%), *Zornia dyctiocarpa* (1, 20%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus cambageana +/- E. crebra +/- E. brownii woodland on low metamorphic rises

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 8,939 8,776 98%

Species recorded: Total: 17; woody: 5; ground: 14; Avg. spp./site: 17.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 12.0 m²/ha, range: 12.0 - 12 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Open-woodland: 100%, 1 site(s)

Representative sites: 27074.

Stratum: T1

Height avg. = 18.0m, 1 site

Crown cover avg. = 13.8%, 1 site

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): Eucalyptus cambageana (100, 100%)

Frequent species (cover, frequency): Eucalyptus cambageana (14, 100%), Eucalyptus persistens (100%)

Stratum: T2

Height avg. = 8.0m, 1 site

Crown cover avg. = 1.6%, 1 site

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Eucalyptus cambageana (99, 100%), Eremophila mitchellii (1, 100%)

Frequent species (cover, frequency): Eremophila mitchellii (100%), Eucalyptus cambageana (3, 100%)

Stratum: S1

Height avg. = 2.5m, 1 site

Crown cover avg. = 4.4%, 1 site

Stem density/ha avg. = 160, 1 site

Dominant species (relative cover, frequency): Eremophila mitchellii (99, 100%)

Frequent species (cover, frequency): Capparis lasiantha (100%), Carissa ovata (100%), Eremophila mitchellii (5, 100%), Eucalyptus cambageana (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.3m, 1 site

PFC avg. = 45.0%, 1 site

Dominant species (relative cover, frequency): Bothriochloa pertusa (30, 100%), Eragrostis indet. (29, 100%), Enteropogon indet. (26, 100%), Aristida indet. (6, 100%), Paspalidium indet. (2, 100%)*

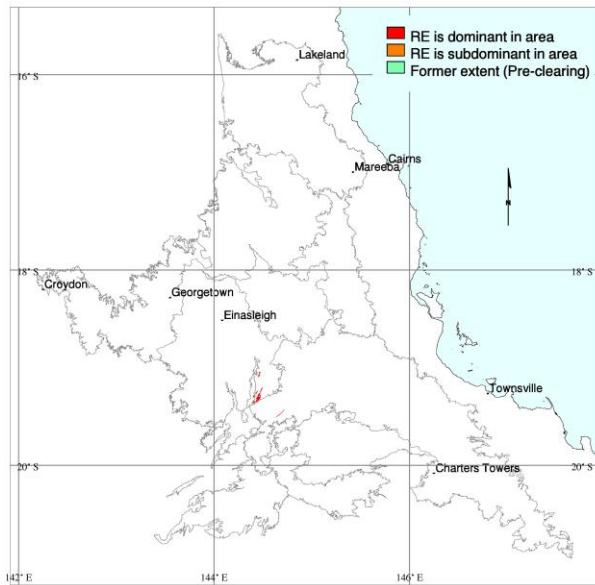
Frequent species (cover, frequency): GRAMINOIDS: Aristida indet. (3, 100%), Bothriochloa pertusa (14, 100%), Enteropogon indet. (12, 100%), Eragrostis indet. (14, 100%), Paspalidium indet. (1, 100%)*

FORBS: Achyranthes aspera (100%), Angiosperm indet. (100%), Capparis lasiantha (1, 100%), Chenopodiaceae indet. (100%), Fabaceae indet. (100%), Rostellularia adscendens (100%), Salsola kali (100%), Sida indet. (100%), Stylosanthes indet. (1, 100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Corymbia setosa +/- Eucalyptus crebra low open-woodland on metamorphic hills

I.D. Fox

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 4,209 4,166 99%

Species recorded: Total: 47; woody: 15; ground: 32; Avg. spp./site: 25.5; std dev.: 10.5, 2 site(s)

Basal area: Avg./site: 4.3 m²/ha, range: 1.5 - 7 m²/ha, std. deviation: 3 m²/ha, 2 site(s)

Structural formation: Woodland: 50%; low woodland: 50%, 2 site(s)

Representative sites: 26240, 26709.

Stratum: E

Height avg. = 14.0m, 1 site

Crown cover avg. = 4.4%, 1 site

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): Corymbia clarksoniana (100, 50%)

Frequent species (cover, frequency): Corymbia clarksoniana (4, 50%)

Stratum: T1

Height avg. = 9.5m, range 8-11m, 2 sites

Crown cover avg. = 28.1%, range 27.0-29.2%, 2 sites

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (87, 50%), Brachychiton indet. (41, 50%), Corymbia setosa (29, 100%), Corymbia clarksoniana (13, 50%)

Frequent species (cover, frequency): Corymbia setosa (7, 100%), Brachychiton indet. (10, 50%), Corymbia clarksoniana (3, 50%), Eucalyptus crebra (20, 50%), Melaleuca nervosa (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: T2

Height avg. = 5.0m, 1 site

Crown cover avg. = 7.9%, 1 site

Stem density/ha avg. = 160, 1 site

Dominant species (relative cover, frequency): Melaleuca nervosa (33, 50%), Grevillea glauca (33, 50%), Corymbia setosa (33, 50%)

Frequent species (cover, frequency): Corymbia setosa (2, 50%), Grevillea glauca (2, 50%), Melaleuca nervosa (2, 50%), Petalostigma pubescens (50%)

Stratum: S1

Height avg. = 1.7m, range 1.5-1.8m, 2 sites

Crown cover avg. = 5.9%, range 0.0-11.8%, 2 sites

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Melaleuca nervosa subsp. nervosa (70, 50%), Petalostigma pubescens (33, 50%), Melaleuca nervosa (33, 50%), Alphitonia excelsa (33, 50%), Petalostigma banksii (9, 50%)

Frequent species (cover, frequency): Acacia farnesiana (50%), Alphitonia excelsa (50%), Alphitonia pomaderroides (50%), Corymbia clarksoniana (1, 50%), Grewia retusifolia (50%), Maytenus cunninghamii (1, 50%), Melaleuca nervosa (50%), Melaleuca nervosa subsp. nervosa (4, 50%), Petalostigma banksii (1, 50%), Petalostigma pubescens (50%), Sida hackettiana (50%)*

Stratum: G

Height avg. = 0.7m, range 0.5-0.8m, 2 sites

PFC avg. = 70.5%, range 60-81%, 2 sites

Dominant species (relative cover, frequency): Heteropogon contortus (23, 100%), Aristida calycina (18, 50%), Eragrostis brownii (18, 50%), Tephrosia filipes (15, 50%), Panicum mindanaense (14, 50%)

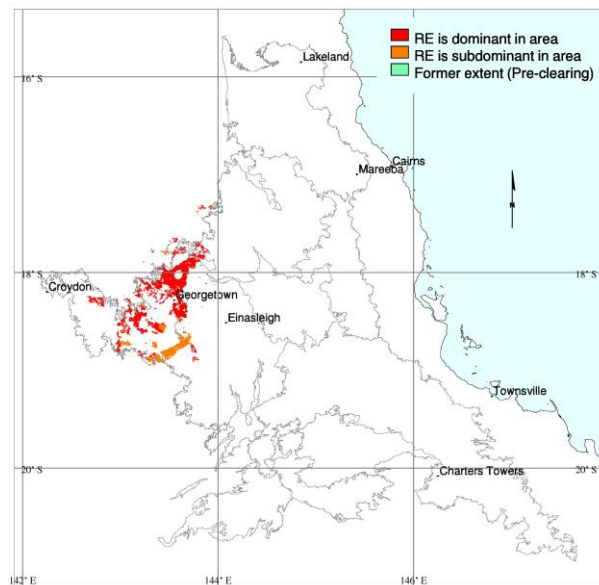
Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (13, 100%), Melinis repens (9, 100%), Aristida calycina (10, 50%), Aristida ingrata (7, 50%), Aristida warburgii (50%), Bothriochloa decipiens var. decipiens (5, 50%), Chrysopogon fallax (50%), Digitaria ammophila (50%), Elionurus citreus (7, 50%), Eragrostis brownii (10, 50%), Eragrostis indet. (50%), Panicum mindanaense (11, 50%), Perotis rara (3, 50%), Schizachyrium fragile (3, 50%), Setaria surgens (4, 50%) FORBS: Chamaesyce australis (1, 50%), Emilia sonchifolia* (50%), Evolvulus alsinoides (5, 50%), Glycine tomentella (1, 50%), Heliotropium peninsulare (1, 50%), Hybanthus enneaspermus (1, 50%), Indigofera colutea (50%), Indigofera linifolia (50%), Oldenlandia mitrasacmoides (50%), Polycarpaea corymbosa (50%), Portulaca pilosa* (50%), Premna indet. (50%), Stylosanthes humilis* (1, 50%), Tephrosia filipes (12, 50%), Trachymene bivistita var. bivistita (7, 50%), Waltheria indica (2, 50%), Zornia muelleriana subsp. muelleriana (2, 50%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

***Eucalyptus microneura* +/- *Corymbia erythrophloia* or *C. pocillum* +/- *Terminalia* spp. +/- *Erythrophleum chlorostachys* low open-woodland on rolling metamorphic hills**



I.D. Fox

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 197,534 196,905 100%

Species recorded: Total: 108; woody: 43; ground: 69; Avg. spp./site: 19.8; std dev.: 5.7, 10 site(s)

Basal area: Avg./site: 5.3 m²/ha, range: 2.0 - 8 m²/ha, std. deviation: 2 m²/ha, 10 site(s)

Structural formation: Low open-woodland: 64%; low woodland: 27%; open-woodland: 9%, 11 site(s)

Representative sites: 25965, 26211, 26216, 26357, 26643, 26647, 26686, 26698, 26754, 26762, 26813.

Stratum: T1

Height avg. = 7.7m, range 5-13m, 11 sites

Crown cover avg. = 13.7%, range 1.6-24.7%, 11 sites

Stem density/ha avg. = 154, range 80-360, 7 sites

Dominant species (relative cover, frequency): Eucalyptus microneura (86, 100%), Corymbia pocillum (31, 27%), Corymbia erythrophloia (6, 27%)

Frequent species (cover, frequency): Eucalyptus microneura (10, 100%), Terminalia aridicola (36%), Corymbia erythrophloia (1, 27%), Corymbia pocillum (7, 27%), Acacia leptostachya (18%), Erythrophleum chlorostachys (18%), Eucalyptus whitei (18%), Terminalia platyptera (18%), Alphitonia pomaderroides (9%), Corymbia confertiflora (9%), Corymbia dallachiana (9%), Corymbia gilbertensis (9%), Corymbia grandifolia (9%), Erythroxylum ellipticum (2, 9%), Grevillea parallela (9%), Melaleuca stenostachya (3, 9%), Terminalia aridicola subsp. chillagoensis (9%)

Stratum: T2

Height avg. = 6.7m, range 5-9m, 3 sites

Crown cover avg. = 2.2%, range 0.0-6.1%, 3 sites

Stem density/ha avg. = 40, range 40-40, 2 sites

Dominant species (relative cover, frequency): Terminalia aridicola (42, 27%), Eucalyptus microneura (38, 27%)

Frequent species (cover, frequency): Eucalyptus microneura (27%), Terminalia aridicola (3, 27%), Terminalia platyptera (18%), Acacia leptostachya (9%), Corymbia dallachiana (9%), Dolichandrone heterophylla (9%), Erythroxylum ellipticum (9%), Eucalyptus whitei (9%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.2m, range 1.5-3m, 10 sites

Crown cover avg. = 11.0%, range 0.0-52.4%, 10 sites

Stem density/ha avg. = 366, range 40-1140, 7 sites

Dominant species (relative cover, frequency): *Petalostigma banksii* (49, 36%), *Gardenia vilhelmii* (24, 73%), *Terminalia platyptera* (23, 27%), *Maytenus cunninghamii* (15, 64%), *Carissa lanceolata* (12, 45%)

Frequent species (cover, frequency): *Gardenia vilhelmii* (1, 73%), *Eucalyptus microneura* (64%), *Maytenus cunninghamii* (1, 64%), *Carissa lanceolata* (45%), *Petalostigma banksii* (6, 36%), *Terminalia aridicola* (1, 36%), *Acacia leptostachya* (27%), *Corymbia erythrophloia* (27%), *Dodonaea physocarpa* (27%), *Terminalia platyptera* (2, 27%), *Acacia bidwillii* (18%), *Atalaya hemiglaucula* (18%), *Dolichandrone heterophylla* (18%), *Erythroxylum ellipticum* (2, 18%), *Grewia retusifolia* (18%), *Hakea arborescens* (18%), *Sida hackettiana* (18%), *Terminalia aridicola* subsp. *chillagoensis* (1, 18%), *Acacia farnesiana** (9%), *Acacia holosericea* (9%), *Acacia* indet. (9%), *Acacia julifera* (9%), *Alphitonia pomaderroides* (2, 9%), *Brachychiton* indet. (9%), *Bursaria incana* (9%), *Cochlospermum gillivraei* (3, 9%), *Corymbia pocillum* (9%), *Dodonaea viscosa* (1, 9%), *Erythrophleum chlorostachys* (9%), *Gomphrena flaccida* (9%), *Grevillea striata* (9%), *Melaleuca citrolens* (9%), *Melaleuca stenostachya* (2, 9%), *Melaleuca viridiflora* (9%), *Phyllanthus* indet. (9%), *Planchonia careya* (9%), *Terminalia oblongata* (1, 9%)

Stratum: G

Height avg. = 0.5m, range 0.2-1m, 10 sites

PFC avg. = 58.9%, range 25-90%, 10 sites

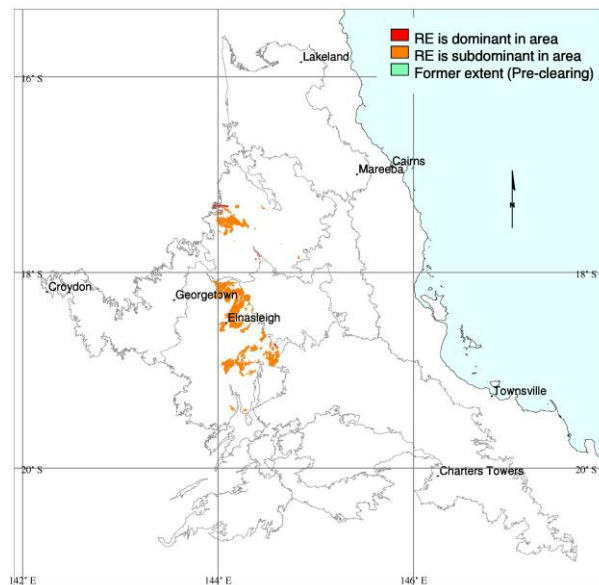
Dominant species (relative cover, frequency): *Schizachyrium* indet. (32, 55%), *Heteropogon contortus* (22, 82%), *Aristida* indet. (13, 55%), *Aristida ingrata* (12, 27%), *Enneapogon* indet. (10, 27%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (13, 82%), *Aristida* indet. (7, 55%), *Schizachyrium* indet. (15, 55%), *Aristida ingrata* (8, 27%), *Capillipedium parviflorum* (3, 27%), *Enneapogon* indet. (5, 27%), *Aristida calycina* (28, 18%), *Bothriochloa* indet. (6, 18%), *Eriachne* indet. (1, 18%), *Schizachyrium fragile* (20, 18%), *Sporobolus australasicus* (18%), *Aristida calycina* var. *calycina* (9%), *Brachyachne convergens* (44, 9%), *Dichanthium* indet. (9%), *Digitaria* indet. (6, 9%), *Eragrostis* indet. (9%), *Eragrostis setifolia* (9%), *Eragrostis tenellula* (2, 9%), *Panicum decompositum* (1, 9%), *Panicum* indet. (1, 9%), *Perotis rara* (9%), *Pseudopogonatherum* indet. (9%), *Sarga plumosum* (5, 9%), *Setaria* indet. (2, 9%), *Sorghum* indet. (9%), *Sporobolus actinocladius* (9%), *Sporobolus* indet. (9%), *Themeda triandra* (4, 9%)
FORBS: *Indigofera pratensis* (2, 36%), *Sida* indet. (36%), *Glycine* indet. (1, 27%), *Grewia retusifolia* (1, 27%), *Fabaceae* indet. (1, 18%), *Gomphrena* indet. (18%), *Indigofera hirsuta* (18%), *Indigofera linnaei* (1, 18%), *Stylosanthes* indet. (1, 18%), *Acacia bidwillii* (9%), *Alternanthera* indet. (9%), *Amaranthus* indet. (9%), *Bidens bipinnata** (9%), *Cassia* indet. (9%), *Cheilanthes* indet. (9%), *Cucumis* indet. (1, 9%), *Dicliptera* indet. (4, 9%), *Dodonaea physocarpa* (9%), *Evolvulus alsinoides* (9%), *Heliotropium* indet. (9%), *Hibiscus meraukensis* (9%), *Indigofera* indet. (9%), *Indigofera linifolia* (9%), *Malvaceae* indet. (2, 9%), *Malvastrum americanum** (9%), *Melhanian* indet. (9%), *Ptilotus* indet. (9%), *Rostellularia adscendens* (1, 9%), *Salsola kali* (9%), *Sida cordifolia** (9%), *Spermacoce* indet. (9%), *Sterculiaceae* indet. (9%), *Stylosanthes scabra** (9%), *Tephrosia simplicifolia* (9%), *Triumfetta* indet. (9%), *Zornia* indet. (9%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus microneura +/- Melaleuca citrolens +/- E. cullenii or E. crebra low open-woodland on metamorphic hills

I.D. Fox

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 37,252 36,739 99%

Species recorded: Total: 57; woody: 27; ground: 31; Avg. spp./site: 24.3; std dev.: 5.2, 3 site(s)

Basal area: Avg./site: 11.0 m²/ha, range: 11.0 - 11 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 67%; open-woodland: 33%, 3 site(s)

Representative sites: 25974, 25976, 26051.

Stratum: T1

Height avg. = 11.3m, range 10-13m, 3 sites

Crown cover avg. = 21.8%, range 2.9-44.4%, 3 sites

Stem density/ha avg. = 93, range 20-180, 3 sites

Dominant species (relative cover, frequency): Eucalyptus microneura (88, 100%), Eucalyptus leptophleba (31, 33%), Eucalyptus crebra (4, 33%), Brachychiton diversifolius (1, 33%)

Frequent species (cover, frequency): Eucalyptus microneura (18, 100%), Brachychiton diversifolius (33%), Corymbia clarksoniana (33%), Eucalyptus crebra (2, 33%), Eucalyptus leptophleba (4, 33%)

Stratum: T2

Height avg. = 6.0m, range 5-7m, 2 sites

Crown cover avg. = 0.3%, range 0.0-0.6%, 2 sites

Stem density/ha avg. = 60, 1 site

Dominant species (relative cover, frequency): Eucalyptus microneura (83, 33%), Melaleuca citrolens (33, 33%), Brachychiton diversifolius (33, 33%), Terminalia platyptera (18, 67%), Hakea indet. (3, 33%)

Frequent species (cover, frequency): Terminalia platyptera (67%), Acacia bidwillii (33%), Brachychiton diversifolius (33%), Erythrophleum chlorostachys (33%), Erythroxylum ellipticum (33%), Eucalyptus crebra (33%), Eucalyptus microneura (1, 33%), Hakea indet. (33%), Melaleuca citrolens (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.1m, range 1.2-3m, 3 sites

Crown cover avg. = 1.0%, range 0.0-2.9%, 3 sites

Stem density/ha avg. = 253, range 40-600, 3 sites

Dominant species (relative cover, frequency): *Pterocaulon sphacelatum* (62, 33%), *Wrightia saligna* (20, 33%), *Melaleuca citrolens* (20, 33%), *Maytenus cunninghamii* (20, 33%), *Grevillea parallela* (17, 33%)

Frequent species (cover, frequency): *Atalaya hemiglauc* (67%), *Dolichandrone heterophylla* (67%), *Grewia retusifolia* (67%), *Breynia oblongifolia* (33%), *Capparis canescens* (33%), *Carissa indet.* (33%), *Carissa lanceolata* (33%), *Corymbia clarksoniana* (33%), *Ehretia membranifolia* (33%), *Erythroxylum ellipticum* (33%), *Gardenia villhelmii* (33%), *Grevillea parallela* (33%), *Grevillea striata* (33%), *Maytenus cunninghamii* (33%), *Melaleuca citrolens* (33%), *Melhania oblongifolia* (33%), *Pterocaulon sphacelatum* (1, 33%), *Stylosanthes scabra** (33%), *Terminalia platyptera* (33%), *Wrightia saligna* (33%)

Stratum: G

Height avg. = 0.3m, range 0.2-0.3m, 3 sites

PFC avg. = 48.3%, range 25-90%, 3 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (21, 100%), *Eriachne indet.* (11, 33%), *Gomphrena conferta* (11, 33%), *Heliotropium indet.* (11, 33%), *Hybanthus enneaspermus* (11, 33%)

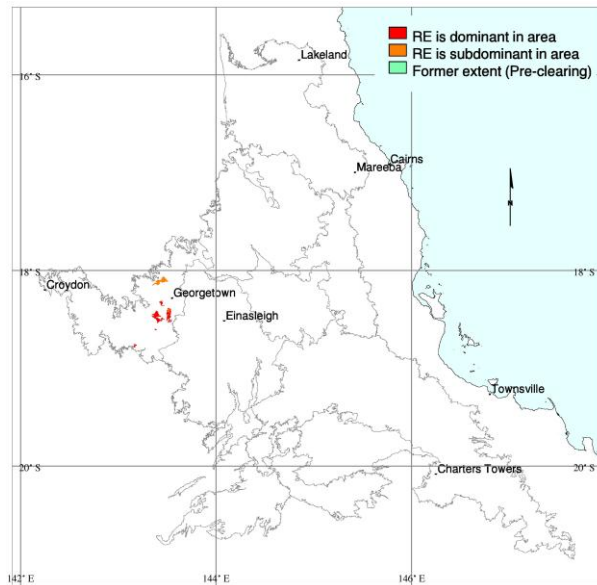
Frequent species (cover, frequency): GRAMINOIDS: *Aristida indet.* (2, 100%), *Heteropogon contortus* (5, 100%), *Sarga plumosum* (3, 67%), *Schizachyrium indet.* (67%), *Bothriochloa decipiens* var. *cloncurrrensensis* (33%), *Cyperus fulvus* (33%), *Dichanthium indet.* (33%), *Enneapogon lindleyanus* (33%), *Eriachne indet.* (33%), *Panicum indet.* (33%), *Poaceae indet.* (33%), *Sporobolus indet.* (33%), *Urochloa mosambicensis** (33%)

FORBS: *Cyanthillium cinereum* (67%), *Evolvulus alsinoides* (3, 67%), *Malvastrum indet.* (67%), *Dodonaea platyptera* (33%), *Galactia tenuiflora* (33%), *Glycine indet.* (33%), *Gomphrena conferta* (33%), *Grewia retusifolia* (33%), *Heliotropium indet.* (33%), *Hybanthus enneaspermus* (33%), *Indigofera pratensis* (33%), *Melhania indet.* (33%), *Ocimum indet.* (33%), *Phyllanthus indet.* (33%), *Sida acuta** (33%), *Sida cordifolia** (2, 33%), *Stylosanthes indet.* (33%), *Waltheria indica* (33%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus microneura or Corymbia erythrophloia low woodland +/- Corymbia spp. on rolling hills

J. Middleton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 12,673 12,572 99%

Species recorded: Total: 38; woody: 15; ground: 23; Avg. spp./site: 20.0; std dev.: 2.0, 2 site(s)

Basal area: Avg./site: 3.5 m²/ha, range: 1.0 - 6 m²/ha, std. deviation: 3 m²/ha, 2 site(s)

Structural formation: Low woodland: 100%, 2 site(s)

Representative sites: 26212, 26651.

Stratum: T1

Height avg. = 7.5m, range 7-8m, 2 sites

Crown cover avg. = 19.2%, range 18.1-20.3%, 2 sites

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): Eucalyptus whitei (78, 50%), Corymbia terminalis (43, 50%), Eucalyptus microneura (34, 100%), Corymbia erythrophloia (11, 50%)

Frequent species (cover, frequency): Eucalyptus microneura (5, 100%), Corymbia erythrophloia (2, 50%), Corymbia pocillum (50%), Corymbia terminalis (6, 50%), Eucalyptus whitei (12, 50%), Grevillea coriacea (50%), Terminalia aridicola (50%)

Stratum: S1

Height avg. = 1.8m, range 1.5-2m, 2 sites

Crown cover avg. = 3.1%, range 0.0-6.1%, 2 sites

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): Acacia julifera subsp. julifera (50, 50%), Acacia hemignosta (50, 50%), Maytenus cunninghamii (13, 50%), Grevillea mimosoides (13, 50%), Gardenia vilhelmii (13, 50%)

Frequent species (cover, frequency): Acacia hemignosta (50%), Acacia julifera subsp. julifera (50%), Atalaya hemiglauca (50%), Carissa ovata (50%), Corymbia erythrophloia (50%), Ehretia indet. (50%), Eucalyptus whitei (50%), Gardenia vilhelmii (50%), Grevillea mimosoides (50%), Maytenus cunninghamii (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.7m, range 0.6-0.8m, 2 sites

PFC avg. = 77.0%, range 70-84%, 2 sites

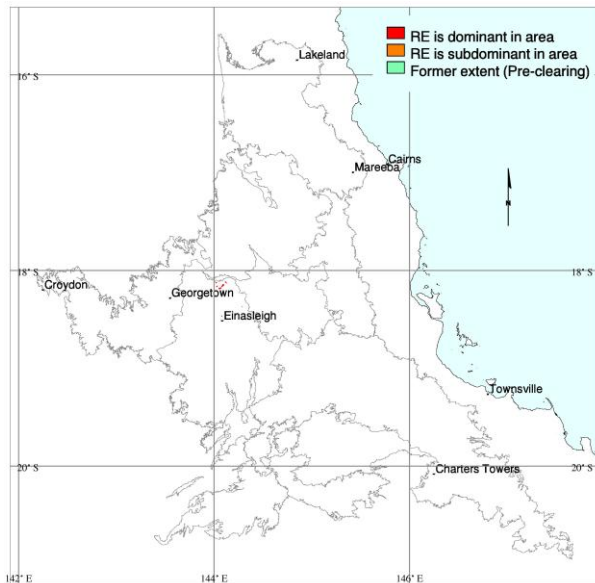
Dominant species (relative cover, frequency): Enneapogon polyphyllus (41, 50%), Brachyachne convergens (36, 50%), Bothriochloa decipiens (25, 50%), Heteropogon contortus (25, 100%), Perotis rara (14, 50%)

*Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (15, 100%), Bothriochloa decipiens (21, 50%), Brachyachne convergens (30, 50%), Chloris pectinata (2, 50%), Enneapogon indet. (2, 50%), Enneapogon polyphyllus (25, 50%), Eragrostis indet. (10, 50%), Eragrostis tenellula (1, 50%), Perotis rara (12, 50%), Sporobolus australasicus (50%)
FORBS: Achyranthes aspera (50%), Boerhavia indet. (1, 50%), Chamaesyce hirta* (1, 50%), Crotalaria novae-hollandiae (50%), Fabaceae indet. (50%), Glycine indet. (50%), Indigofera indet. (50%), Indigofera linifolia (50%), Malvaceae indet. (50%), Malvastrum americanum var. americanum* (50%), Solanum ellipticum (50%), Stylosanthes indet. (5, 50%), Tribulus indet. (2, 50%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Melaleuca citrolens low woodland +/- Terminalia spp. +/- Eucalyptus microneura on rolling to undulating hills

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 1,361 1,361 100%

Species recorded: Total: 37; woody: 11; ground: 27; Avg. spp./site: 37.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 8.0 m²/ha, range: 8.0 - 8 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Low woodland: 100%, 1 site(s)

Representative sites: 26117.

Stratum: T1

Height avg. = 6.0m, 1 site

Crown cover avg. = 52.4%, 1 site

Stem density/ha avg. = 720, 1 site

Dominant species (relative cover, frequency): Terminalia aridicola (61, 100%), Melaleuca citrolens (35, 100%), Eucalyptus microneura (4, 100%)

Frequent species (cover, frequency): Eucalyptus microneura (2, 100%), Grevillea parallela (100%), Melaleuca citrolens (16, 100%), Terminalia aridicola (28, 100%)

Stratum: S1

Height avg. = 1.5m, 1 site

Crown cover avg. = 1.6%, 1 site

Stem density/ha avg. = 660, 1 site

Dominant species (relative cover, frequency): Maytenus cunninghamii (93, 100%), Terminalia aridicola (1, 100%), Petalostigma banksii (1, 100%), Malvastrum americanum (1, 100%), Diospyros humilis (1, 100%)*

Frequent species (cover, frequency): Acacia bidwillii (100%), Carissa lanceolata (100%), Cryptostegia grandiflora (100%), Diospyros humilis (100%), Malvastrum americanum* (100%), Maytenus cunninghamii (2, 100%), Petalostigma banksii (100%), Terminalia aridicola (100%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.5m, 1 site

PFC avg. = 39.0%, 1 site

Dominant species (relative cover, frequency): *Schizachyrium fragile* (21, 100%), *Aristida pruinosa* (15, 100%), *Galactia tenuiflora* var. *macrantha* (15, 100%), *Perotis rara* (15, 100%), *Eragrostis cumingii* (13, 100%)

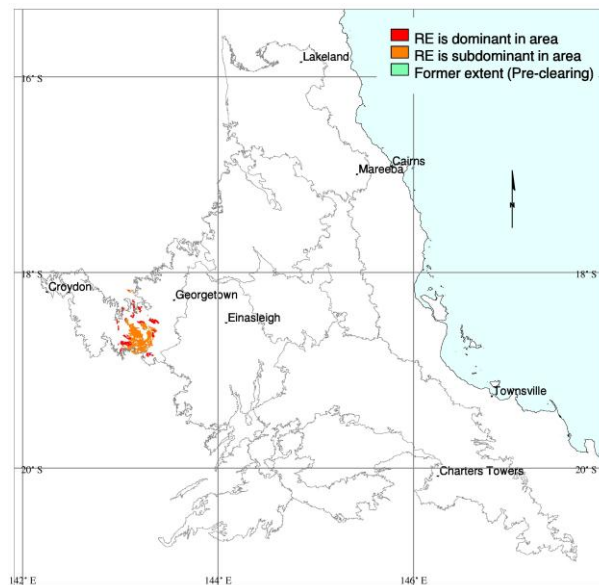
Frequent species (cover, frequency): GRAMINOIDS: *Alloteropsis indet.* (100%), *Aristida pruinosa* (6, 100%), *Bothriochloa decipiens* (100%), *Chloris lobata* (100%), *Chrysopogon pallidus* (100%), *Cyperus indet.* (1, 100%), *Eragrostis cumingii* (5, 100%), *Eragrostis tenellula* (100%), *Heteropogon contortus* (100%), *Panicum indet.* (2, 100%), *Perotis rara* (6, 100%), *Poaceae indet.* (100%), *Schizachyrium fragile* (9, 100%), *Setaria surgens* (100%), *Walwhalleya subxerophila* (2, 100%)

FORBS: *Achyranthes aspera* (100%), *Alternanthera indet.* (100%), *Angiosperm indet.* (100%), *Atalaya hemiglauca* (100%), *Bidens pilosa** (100%), *Brunonia indet.* (100%), *Commelina indet.* (100%), *Galactia tenuiflora* var. *macrantha* (6, 100%), *Grevillea parallela* (100%), *Grewia retusifolia* (100%), *Phyllanthus indet.* (100%), *Polycarpaea corymbosa* (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus microneura low open-woodland +/- Terminalia platyptera +/- Melaleuca citrolens on slopes and hills

J. Middleton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 38,834 38,776 100%

Species recorded: Total: 31; woody: 14; ground: 17; Avg. spp./site: 9.8; std dev.: 1.1, 4 site(s)

Basal area: Avg./site: 3.3 m²/ha, range: 1.5 - 5 m²/ha, std. deviation: 1 m²/ha, 4 site(s)

Structural formation: Low open-woodland: 100%, 4 site(s)

Representative sites: 26195, 26372, 26750, 26761.

Stratum: T1

Height avg. = 6.0m, range 5-8m, 4 sites

Crown cover avg. = 5.0%, range 1.6-7.9%, 4 sites

Stem density/ha avg. = 150, range 60-240, 2 sites

Dominant species (relative cover, frequency): Eucalyptus microneura (96, 100%), Melaleuca citrolens (12, 25%), Eucalyptus melanophloia (1, 25%), Corymbia pocillum (1, 25%)

Frequent species (cover, frequency): Eucalyptus microneura (5, 100%), Corymbia pocillum (25%), Eucalyptus melanophloia (25%), Melaleuca citrolens (1, 25%)

Stratum: S1

Height avg. = 1.6m, range 1-2m, 4 sites

Crown cover avg. = 19.8%, range 0.0-74.6%, 4 sites

Stem density/ha avg. = 8970, range 180-17760, 2 sites

Dominant species (relative cover, frequency): Jacksonia odontoclada (97, 25%), Melaleuca citrolens (72, 25%), Atalaya hemiglaucula (48, 25%), Eucalyptus microneura (41, 100%), Capparis lasiantha (9, 25%)

Frequent species (cover, frequency): Eucalyptus microneura (100%), Acacia bidwillii (25%), Acacia gonoclada (2, 25%), Atalaya hemiglaucula (1, 25%), Capparis lasiantha (25%), Dodonaea physocarpa (25%), Indigofera hirsuta (25%), Indigofera indet. (25%), Jacksonia odontoclada (70, 25%), Maytenus cunninghamii (25%), Melaleuca citrolens (2, 25%), Petalostigma banksii (25%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.4m, range 0.3-0.6m, 4 sites

PFC avg. = 43.3%, range 30-50%, 4 sites

Dominant species (relative cover, frequency): *Triodia pungens* (76, 50%), *Triodia indet.* (61, 50%), *Schizachyrium fragile* (30, 25%), *Schizachyrium indet.* (26, 50%), *Aristida latifolia* (17, 25%)

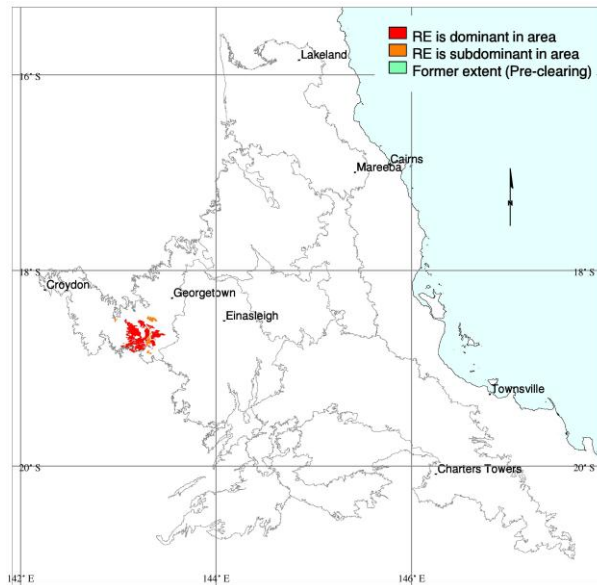
Frequent species (cover, frequency): GRAMINOIDS: *Aristida indet.* (3, 50%), *Schizachyrium indet.* (12, 50%), *Sporobolus australasicus* (50%), *Triodia indet.* (29, 50%), *Triodia pungens* (30, 50%), *Aristida jerichoensis* (25%), *Aristida latifolia* (5, 25%), *Cymbopogon bombycinus* (25%), *Cyperaceae indet.* (5, 25%), *Enneapogon indet.* (25%), *Eriachne indet.* (25%), *Panicum indet.* (25%), *Schizachyrium fragile* (15, 25%)

FORBS: *Distichostemon dodecandrus* (25%), *Pterocaulon sphacelatum* (25%), *Ptilotus indet.* (25%), *Streptoglossa odora* (25%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus whitei low open-woodland +/- E. microneura +/- Corymbia pocillum on slopes and hills

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 32,653 32,641 100%

Species recorded: Total: 13; woody: 8; ground: 5; Avg. spp./site: 13.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 4.5 m²/ha, range: 4.5 - 5 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Low open-woodland: 100%, 1 site(s)

Representative sites: 26753.

Stratum: T1

Height avg. = 8.0m, 1 site

Crown cover avg. = 4.4%, 1 site

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Eucalyptus whitei (67, 100%), Corymbia pocillum (32, 100%), Eucalyptus microneura (1, 100%)

Frequent species (cover, frequency): Corymbia pocillum (1, 100%), Eucalyptus microneura (100%), Eucalyptus whitei (2, 100%)

Stratum: S1

Height avg. = 2.5m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 380, 1 site

Dominant species (relative cover, frequency): Maytenus cunninghamii (17, 100%), Grevillea mimosoides (17, 100%), Eucalyptus whitei (17, 100%), Dolichandrone heterophylla (17, 100%), Carissa lanceolata (17, 100%)

Frequent species (cover, frequency): Acacia bidwillii (100%), Carissa lanceolata (100%), Dolichandrone heterophylla (100%), Eucalyptus whitei (100%), Grevillea mimosoides (100%), Maytenus cunninghamii (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.5m, 1 site

PFC avg. = 75.0%, 1 site

Dominant species (relative cover, frequency): *Aristida indet.* (93, 100%), *Tripogon loliiformis* (3, 100%), *Dodonaea physocarpa* (3, 100%), *Heteropogon contortus* (1, 100%), *Schizachyrium indet.* (1, 100%)

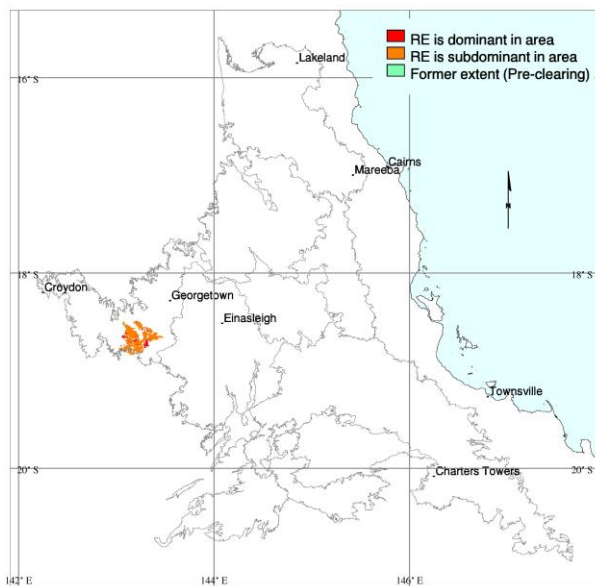
Frequent species (cover, frequency): GRAMINOIDS: *Aristida indet.* (70, 100%), *Heteropogon contortus* (1, 100%), *Schizachyrium indet.* (1, 100%), *Tripogon loliiformis* (2, 100%)

FORBS: *Dodonaea physocarpa* (2, 100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Melaleuca citrolens +/- Eucalyptus microneura +/- E. whitei low woodland on ridge crests

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 11,916 11,916 100%

Species recorded: Total: 15; woody: 6; ground: 9; Avg. spp./site: 15.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 5.0 m²/ha, range: 5.0 - 5 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Low woodland: 100%, 1 site(s)

Representative sites: 26759.

Stratum: T1

Height avg. = 5.0m, 1 site

Crown cover avg. = 22.5%, 1 site

Stem density/ha avg. = 560, 1 site

Dominant species (relative cover, frequency): Melaleuca citrolens (100, 100%)

Frequent species (cover, frequency): Eucalyptus microneura (100%), Melaleuca citrolens (24, 100%)

Stratum: S1

Height avg. = 2.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Dominant species (relative cover, frequency): Melaleuca citrolens (20, 100%), Maytenus cunninghamii (20, 100%), Carissa lanceolata (20, 100%), Acacia plectocarpa (20, 100%), Acacia hemignosta (20, 100%)

Frequent species (cover, frequency): Acacia hemignosta (100%), Acacia plectocarpa (100%), Carissa lanceolata (100%), Maytenus cunninghamii (100%), Melaleuca citrolens (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.3m, 1 site

PFC avg. = 42.0%, 1 site

Dominant species (relative cover, frequency): *Triodia indet.* (89, 100%), *Heteropogon contortus* (5, 100%), *Sida indet.* (2, 100%), *Schizachyrium indet.* (2, 100%)

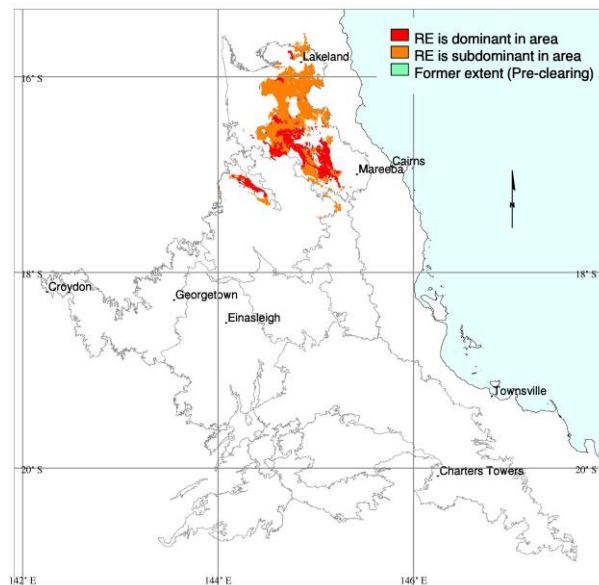
Frequent species (cover, frequency): GRAMINOIDS: *Aristida indet.* (100%), *Eragrostis indet.* (100%), *Heteropogon contortus* (2, 100%), *Panicum indet.* (100%), *Schizachyrium indet.* (1, 100%), *Triodia indet.* (38, 100%)

FORBS: *Dodonaea physocarpa* (100%), *Ptilotus exaltatus* var. *semilanatus* (100%), *Sida indet.* (1, 100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus tardecidens or E. chlorophylla +/- Corymbia spp. +/- E. cullenii low woodland on steep to rolling metamorphic hills and rises


J.E. Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 192,894 191,472 99%

Species recorded: Total: 189; woody: 54; ground: 147; Avg. spp./site: 31.2; std dev.: 13.6, 11 site(s)

Basal area: Avg./site: 8.0 m²/ha, range: 1.8 - 15 m²/ha, std. deviation: 5 m²/ha, 7 site(s)

Structural formation: Low woodland: 64%; low open-woodland: 18%; woodland: 9%; open-woodland: 9%, 11 site(s)

Representative sites: 25803, 25804, 25862, 25868, 25945, 26636, 26907, 27064, 27069, 27123, 40864.

Stratum: E

Height avg. = 10.0m, 1 site
 Crown cover avg. = 2.9%, 1 site
 Stem density/ha avg. = 80, 1 site

Frequent species (cover, frequency): Corymbia indet. (9%), Eucalyptus cullenii (1, 9%), Eucalyptus tardecidens (1, 9%)

Stratum: T1

Height avg. = 8.5m, range 5-13m, 11 sites
 Crown cover avg. = 28.4%, range 13.8-63.1%, 11 sites
 Stem density/ha avg. = 476, range 80-1480, 11 sites

Dominant species (relative cover, frequency): Eucalyptus tardecidens (88, 91%)

Frequent species (cover, frequency): Eucalyptus tardecidens (25, 91%), Corymbia dallachiana (18%), Corymbia nesophila (2, 18%), Eucalyptus cullenii (4, 18%), Melaleuca stenostachya (1, 18%), Terminalia platyptera (18%), Acacia aulacocarpa (1, 9%), Corymbia indet. (9%), Dolichandrone heterophylla (9%), Erythroxylum ellipticum (9%), Eucalyptus chlorophylla (17, 9%), Grevillea parallela (9%), Melaleuca citrolens (6, 9%), Melaleuca viridiflora (9%), Petalostigma banksii (9%), Santalum lanceolatum (9%), Terminalia aridicola subsp. chillagoensis (2, 9%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: T2

Height avg. = 4.8m, range 4-7m, 6 sites

Crown cover avg. = 2.8%, range 0.0-7.9%, 6 sites

Stem density/ha avg. = 220, range 20-500, 5 sites

Frequent species (cover, frequency): *Acacia oraria* (2, 9%), *Alphitonia excelsa* (1, 9%), *Angiosperm indet.* (9%), *Eucalyptus chlorophylla* (9%), *Eucalyptus cullenii* (3, 9%), *Eucalyptus tardecidens* (2, 9%), *Melaleuca viridiflora* (9%), *Terminalia aridicola* (1, 9%), *Terminalia aridicola subsp. chillagoensis* (2, 9%), *Terminalia indet.* (9%), *Terminalia platyptera* (1, 9%)

Stratum: S1

Height avg. = 1.7m, range 0.6-3.5m, 11 sites

Crown cover avg. = 6.6%, range 0.0-27.0%, 11 sites

Stem density/ha avg. = 1541, range 160-6333, 9 sites

Dominant species (relative cover, frequency): *Petalostigma banksii* (55, 64%), *Melaleuca stenostachya* (39, 36%), *Petalostigma pubescens* (33, 27%), *Acacia umbellata* (26, 36%), *Eucalyptus tardecidens* (7, 64%)

Frequent species (cover, frequency): *Eucalyptus tardecidens* (64%), *Petalostigma banksii* (2, 64%), *Acacia umbellata* (4, 36%), *Maytenus cunninghamii* (36%), *Melaleuca stenostachya* (1, 36%), *Acacia armillata* (27%), *Acacia armitii* (27%), *Erythroxylum ellipticum* (27%), *Grevillea parallela* (27%), *Petalostigma pubescens* (3, 27%), *Acacia indet.* (18%), *Capparis indet.* (18%), *Carissa lanceolata* (18%), *Daviesia flava* (18%), *Grevillea coriacea* (18%), *Lamprolobium fruticosum* (18%), *Phyllanthus indet.* (18%), *Terminalia aridicola subsp. chillagoensis* (18%), *Acacia calyculata* (9%), *Acacia leptocarpa* (9%), *Acacia oraria* (9%), *Acacia platycarpa* (9%), *Alphitonia pomaderroides* (9%), *Atalaya hemiglaucula* (9%), *Brachychiton diversifolius subsp. orientalis* (9%), *Cassia indet.* (9%), *Corymbia dallachiana* (9%), *Corymbia nesophila* (9%), *Dodonaea physocarpa* (9%), *Dolichandrone heterophylla* (9%), *Eucalyptus chlorophylla* (9%), *Gardenia wilhelmii* (9%), *Grevillea dryandri* (9%), *Grewia retusifolia* (9%), *Hakea indet.* (9%), *Indigofera pratensis* (9%), *Margaritaria dubium-traceyi* (9%), *Melaleuca citrolens* (9%), *Melaleuca viridiflora* (9%), *Persoonia falcata* (9%), *Planchonia careya* (9%), *Premna acuminata* (9%), *Santalum lanceolatum* (9%), *Siphonodon pendulus* (9%), *Stylosanthes scabra** (9%), *Terminalia aridicola* (9%), *Terminalia platyptera* (9%), *Ventilago viminalis* (9%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.4m, range 0.2-0.8m, 11 sites

PFC avg. = 34.7%, range 5-72%, 11 sites

Dominant species (relative cover, frequency): Themeda triandra (27, 64%), Chrysopogon fallax (15, 45%), Aristida indet. (14, 55%), Heteropogon contortus (13, 64%), Eragrostis spartanoides (12, 27%)

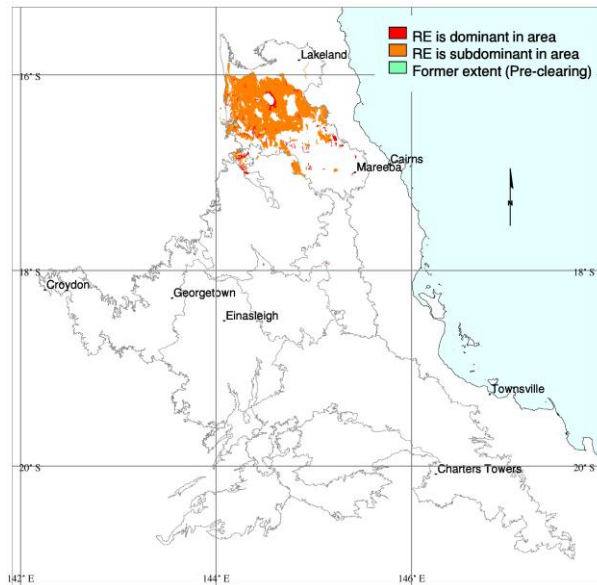
Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (7, 64%), Themeda triandra (6, 64%), Aristida indet. (2, 55%), Chrysopogon fallax (5, 45%), Mnesithea formosa (2, 36%), Schizachyrium fragile (2, 36%), Digitaria ammophila (2, 27%), Enneapogon lindleyanus (27%), Eragrostiella indet. (27%), Eragrostis spartanoides (6, 27%), Fimbristylis dichotoma (3, 27%), Panicum effusum (1, 27%), Panicum indet. (27%), Scleria indet. (1, 27%), Themeda arguens (1, 27%), Alloteropsis cimicina (2, 18%), Aristida biglandulosa (4, 18%), Aristida perniciosus (1, 18%), Eragrostis tenellula (18%), Panicum larcomianum (1, 18%), Sarga plumosum (1, 18%), Schizachyrium indet. (4, 18%), Scleria brownii (3, 18%), Urochloa indet. (18%), Alloteropsis semialata (1, 9%), Aristida calycina (20, 9%), Aristida hygrometrica (7, 9%), Aristida pruinosa (3, 9%), Aristida sciuroides (19, 9%), Arundinella nepalensis (9%), Arundinella setosa (9%), Bothriochloa decipiens (9%), Brachyachne convergens (9%), Chloris lobata (9%), Cymbopogon bombycinus (9%), Cymbopogon gratus (9%), Cyperus indet. (9%), Dichanthium fecundum (1, 9%), Digitaria indet. (4, 9%), Digitaria nematostachya (9%), Ectrosia confusa (9%), Ectrosia nervilemma (9%), Enneapogon indet. (9%), Eragrostis cumingii (2, 9%), Eragrostis indet. (3, 9%), Eriachne indet. (9%), Eriachne obtusa (9%), Fimbristylis indet. (1, 9%), Fimbristylis recta (1, 9%), Panicum decompositum (9%), Panicum seminudum var. cairnsianum (9%), Paspalidium gracile (1, 9%), Perotis rara (9%), Rhynchospora heterochaeta (9%), Rhynchospora indet. (9%), Sarga indet. (13, 9%), Setaria surgens (9%), Sporobolus caroli (9%), Thaumastochloa indet. (1, 9%), Themeda indet. (9%)

FORBS: Brunoniella acaulis (1, 36%), Evolvulus alsinoides (36%), Stylosanthes scabra (6, 36%), Cheilanthes nudiuscula (27%), Crotalaria medicaginea (27%), Lomandra indet. (27%), Sida spinosa* (27%), Buchnera linearis (18%), Cayratia trifolia (18%), Chamaecrista absus var. absus (1, 18%), Crotalaria montana (18%), Cyanthillium cinereum (1, 18%), Desmodium indet. (18%), Gardenia wilhelmii (18%), Grewia retusifolia (18%), Hybanthus enneaspermus (1, 18%), Indigofera pratensis (1, 18%), Ipomoea polymorpha (18%), Jacquemontia sp. (Fairview R.W. Johnson 4026) (1, 18%), Melhania oblongifolia (18%), Polygala indet. (18%), Rhynchosia minima var. minima (18%), Rostellularia adscendens (2, 18%), Santalum lanceolatum (18%), Spermacoce brachystema (18%), Tephrosia leptoclada (18%), Uraria lagopodioides (18%), Waltheria indica (18%), Xenostegia tridentata (18%), Zornia muriculata subsp. angustata (1, 18%), Abutilon oxycarpum forma acutatum (9%), Acacia armillata (9%), Acmella grandiflora var. brachyglossa (9%), Alternanthera micrantha (9%), Aristolochia holtzei (9%), Atalaya variifolia (9%), Blumea saxatilis (9%), Carissa lanceolata (9%), Cassia indet. (9%), Cassytha filiformis (9%), Chamaecrista mimosoides (1, 9%), Chamaesyce indet. (9%), Chamaesyce mitchelliana (9%), Chamaesyce vachellii (9%), Cheilanthes indet. (9%), Corchorus aestuans (9%), Crotalaria indet. (9%), Cryptostegia grandiflora* (9%), Cucumis anguria var. anguria* (9%), Desmodium brachypodium (9%), Dodonaea physocarpa (9%), Eucalyptus cullenii (9%), Euphorbiaceae indet. (9%), Flueggea virosa subsp. melanthesoides (9%), Galactia tenuiflora (9%), Glycine indet. (9%), Goodenia pilosa (9%), Gossypium australe (9%), Helicteres sp. (Normanby River J.R. Clarkson + 7697) (9%), Heliotropium peninsulare (9%), Hyptis indet. (1, 9%), Indigastrum parviflorum (9%), Ipomoea eriocarpa (9%), Jacquemontia indet. (1, 9%), Jacquemontia paniculata (9%), Jacquemontia paniculata var. tomentosa (9%), Malvaceae indet. (9%), Melaleuca citrolens (1, 9%), Murdannia graminea (9%), Neptunia dimorphantha (9%), Phyllanthus carpentariae (9%), Phyllanthus fuernrohrii (9%), Phyllanthus indet. (9%), Phyllanthus similis (1, 9%), Phyllanthus virgatus (9%), Pterocaulon indet. (9%), Ruellia tuberosa* (2, 9%), Sauropus indet. (9%), Sida acuta* (9%), Sida hackettiana (9%), Sida indet. (9%), Solanaceae indet. (9%), Spermacoce latifolia* (9%), Stylosanthes humilis* (7, 9%), Tephrosia varians (9%), Tricoryne anceps (9%), Zornia indet. (9%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

***Eucalyptus leptophleba* and/or *E. cullenii* and/or *Corymbia clarksoniana* woodland +/- *E. platyphylla* on rolling hills to steep hills**


Mark Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 58,497 57,780 99%

Species recorded: Total: 52; woody: 16; ground: 40; Avg. spp./site: 30.5; std dev.: 2.5, 2 site(s)

Basal area: Avg./site: 7.5 m²/ha, range: 6.5 - 9 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

Structural formation: Woodland: 100%, 2 site(s)

Representative sites: 26969, 40584.

Stratum: T1

Height avg. = 18.5m, range 18-19m, 2 sites

Crown cover avg. = 39.1%, range 20.3-58.0%, 2 sites

Stem density/ha avg. = 180, range 140-220, 2 sites

Dominant species (relative cover, frequency): Eucalyptus leptophleba (76, 100%), Corymbia tessellaris (40, 50%), Erythrophleum chlorostachys (7, 50%)

Frequent species (cover, frequency): Eucalyptus cullenii (100%), Eucalyptus leptophleba (24, 100%), Corymbia clarksoniana (50%), Corymbia dallachiana (50%), Corymbia tessellaris (20, 50%), Erythrophleum chlorostachys (4, 50%), Eucalyptus tetradonta (50%)

Stratum: T2

Height avg. = 11.0m, 1 site

Crown cover avg. = 4.4%, 1 site

Stem density/ha avg. = 80, 1 site

Dominant species (relative cover, frequency): Corymbia dallachiana (57, 50%), Eucalyptus cullenii (41, 50%), Cymbidium canaliculatum (1, 50%), Corymbia hylandii (1, 50%), Acacia indet. (1, 50%)

Frequent species (cover, frequency): Acacia indet. (50%), Corymbia dallachiana (2, 50%), Corymbia hylandii (50%), Cymbidium canaliculatum (50%), Eucalyptus cullenii (2, 50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.5m, range 1.5-1.5m, 2 sites

Crown cover avg. = 0.3%, range 0.0-0.6%, 2 sites

Stem density/ha avg. = 420, range 360-480, 2 sites

Dominant species (relative cover, frequency): *Acacia bidwillii* (78, 50%), *Flueggea virosa* (20, 50%), *Corymbia hylandii* (20, 50%), *Corymbia dallachiana* (20, 50%), *Acacia indet.* (20, 50%)

Frequent species (cover, frequency): *Eucalyptus leptophleba* (100%), *Acacia bidwillii* (1, 50%), *Acacia indet.* (50%), *Corymbia dallachiana* (50%), *Corymbia hylandii* (50%), *Erythrophleum chlorostachys* (50%), *Eucalyptus tetradonta* (50%), *Flueggea virosa* (50%), *Grevillea glauca* (50%), *Grewia retusifolia* (50%), *Indigofera pratensis* (50%), *Persoonia falcata* (50%)

Stratum: G

Height avg. = 0.7m, range 0.3-1m, 2 sites

PFC avg. = 71.0%, range 53-89%, 2 sites

Dominant species (relative cover, frequency): *Schizachyrium fragile* (31, 50%), *Arundinella setosa* (23, 100%), *Themeda triandra* (18, 100%), *Heteropogon contortus* (17, 100%), *Bothriochloa indet.* (11, 50%)

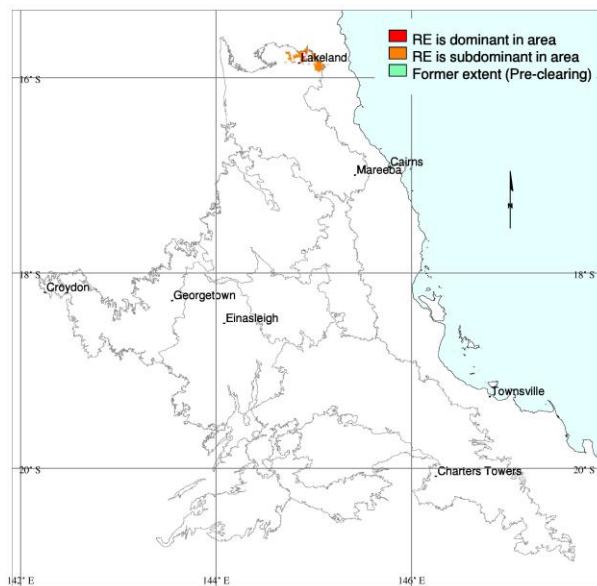
Frequent species (cover, frequency): GRAMINOIDS: *Arundinella setosa* (18, 100%), *Heteropogon contortus* (10, 100%), *Melinis repens** (100%), *Themeda triandra* (10, 100%), *Aristida indet.* (50%), *Bothriochloa indet.* (10, 50%), *Capillipedium indet.* (50%), *Cyperaceae indet.* (50%), *Eragrostis indet.* (50%), *Heteropogon triticeus* (3, 50%), *Mnesithea rottboellioides* (50%), *Panicum effusum* (50%), *Panicum indet.* (50%), *Sarga plumosum* (2, 50%), *Schizachyrium fragile* (29, 50%), *Scleria sphacelata* (50%), *Setaria indet.* (50%), *Themeda quadrivalvis** (5, 50%)

FORBS: *Hibiscus meraukensis* (100%), *Hyptis suaveolens** (6, 100%), *Indigofera pratensis* (100%), *Buchnera linearis* (50%), *Cartonema spicatum* (50%), *Cayratia indet.* (50%), *Corymbia dallachiana* (1, 50%), *Crotalaria calycina* (1, 50%), *Cyanthillium cinereum* (50%), *Flemingia parviflora* (1, 50%), *Flueggea virosa* (50%), *Glycine indet.* (50%), *Grewia retusifolia* (50%), *Malvaceae indet.* (50%), *Mimosa indet.* (50%), *Phyllanthus virgatus* (50%), *Pterocaulon sphacelatum* (50%), *Spermacoce indet.* (50%), *Stylosanthes indet.* (2, 50%), *Stylosanthes scabra** (50%), *Tephrosia indet.* (50%), *Wollastonia biflora* (1, 50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus leptophleba and E. platyphylla woodland +/- Corymbia tessellaris on low rolling hills

Mark Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 6,035 5,925 98%

Species recorded: Total: 36; woody: 13; ground: 28; Avg. spp./site: 24.5; std dev.: 5.5, 2 site(s)

Basal area: Avg./site: 3.8 m²/ha, range: 3.0 - 5 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

Structural formation: Woodland: 50%; open-woodland: 50%, 2 site(s)

Representative sites: 40585, 40586.

Stratum: T1

Height avg. = 14.0m, range 12-16m, 2 sites

Crown cover avg. = 28.1%, range 15.9-40.2%, 2 sites

Stem density/ha avg. = 80, range 60-100, 2 sites

Dominant species (relative cover, frequency): Eucalyptus leptophleba (69, 100%), Eucalyptus platyphylla (59, 50%), Melaleuca stenostachya (1, 100%)

Frequent species (cover, frequency): Eucalyptus leptophleba (22, 100%), Melaleuca stenostachya (100%), Corymbia clarksoniana (50%), Eucalyptus cullenii (50%), Eucalyptus platyphylla (8, 50%)

Stratum: T2

Height avg. = 5.0m, 1 site

Crown cover avg. = 31.4%, 1 site

Stem density/ha avg. = 260, 1 site

Dominant species (relative cover, frequency): Eucalyptus platyphylla (50, 50%), Eucalyptus cullenii (21, 50%), Melaleuca stenostachya (19, 50%), Melaleuca viridiflora (11, 50%)

Frequent species (cover, frequency): Eucalyptus cullenii (4, 50%), Eucalyptus leptophleba (50%), Eucalyptus platyphylla (10, 50%), Melaleuca stenostachya (4, 50%), Melaleuca viridiflora (2, 50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.5m, range 2-3m, 2 sites

Crown cover avg. = 3.3%, range 0.6-6.1%, 2 sites

Stem density/ha avg. = 400, range 260-540, 2 sites

Dominant species (relative cover, frequency): *Acacia* indet. (55, 100%), *Santalum* indet. (13, 50%), *Melaleuca viridiflora* (13, 50%), *Margaritaria dubium-traceyi* (13, 50%), *Eucalyptus platyphylla* (13, 50%)

Frequent species (cover, frequency): *Acacia* indet. (4, 100%), *Melaleuca stenostachya* (100%), *Atalaya hemiglauca* (50%), *Capparis* indet. (50%), *Erythroxylum ellipticum* (50%), *Eucalyptus leptophleba* (50%), *Eucalyptus platyphylla* (50%), *Flueggea virosa* subsp. *melanthesoides* (50%), *Margaritaria dubium-traceyi* (50%), *Melaleuca viridiflora* (50%), *Santalum* indet. (50%)

Stratum: G

Height avg. = 0.8m, range 0.5-1m, 2 sites

PFC avg. = 76.0%, range 70-82%, 2 sites

Dominant species (relative cover, frequency): *Arundinella setosa* (33, 100%), *Rhynchospora* indet. (29, 50%), *Heteropogon contortus* (21, 100%), *Themeda triandra* (11, 100%), *Poaceae* indet. (7, 50%)

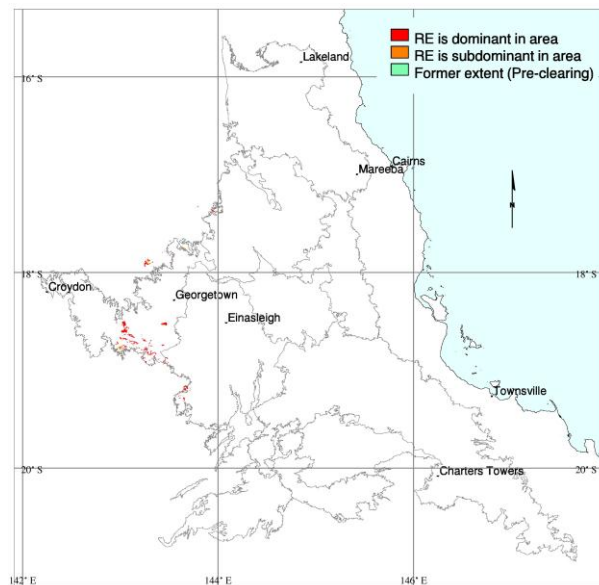
Frequent species (cover, frequency): GRAMINOIDS: *Arundinella setosa* (24, 100%), *Bothriochloa* indet. (3, 100%), *Heteropogon contortus* (15, 100%), *Heteropogon triticeus* (1, 100%), *Schizachyrium fragile* (100%), *Themeda triandra* (8, 100%), *Chrysopogon* indet. (50%), *Cyperaceae* indet. (50%), *Eragrostis* indet. (3, 50%), *Eriachne* indet. (50%), *Melinis repens** (50%), *Panicum* indet. (1, 50%), *Poaceae* indet. (6, 50%), *Rhynchospora* indet. (24, 50%), *Themeda quadrivalvis** (50%)

FORBS: *Asteraceae* indet. (100%), *Flueggea virosa* subsp. *melanthesoides* (100%), *Melaleuca stenostachya* (100%), *Stylosanthes* indet. (6, 100%), *Angiosperm* indet. (50%), *Capparis* indet. (50%), *Crotalaria novae-hollandiae* (50%), *Fabaceae* indet. (50%), *Glycine* indet. (50%), *Grewia* indet. (50%), *Hyptis suaveolens** (50%), *Liliaceae* indet. (50%), *Phyllanthus* indet. (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Acacia shirleyi +/- Eucalyptus microneura +/- Corymbia pocillum +/- E. provecta low woodland on rolling hills

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 13,358 13,347 100%

Species recorded: Total: 16; woody: 12; ground: 6; Avg. spp./site: 9.0; std dev.: 0.0, 2 site(s)

Basal area: Avg./site: 7.8 m²/ha, range: 7.0 - 9 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

Structural formation: Low woodland: 100%, 2 site(s)

Representative sites: 26206, 26752.

Stratum: T1

Height avg. = 6.5m, range 6-7m, 2 sites

Crown cover avg. = 40.1%, range 33.7-46.5%, 2 sites

Stem density/ha avg. = 700, 1 site

Dominant species (relative cover, frequency): *Acacia shirleyi* (94, 100%), *Eucalyptus provecta* (6, 50%), *Eucalyptus microneura* (4, 50%), *Melaleuca citrolens* (2, 50%)

Frequent species (cover, frequency): *Acacia shirleyi* (35, 100%), *Corymbia pocillum* (50%), *Eucalyptus microneura* (2, 50%), *Eucalyptus provecta* (2, 50%), *Maytenus cunninghamii* (50%), *Melaleuca citrolens* (1, 50%)

Stratum: S1

Height avg. = 1.5m, range 1-2m, 2 sites

Crown cover avg. = 8.0%, range 0.0-15.9%, 2 sites

Stem density/ha avg. = 60, 1 site

Dominant species (relative cover, frequency): *Melaleuca citrolens* (40, 50%), *Maytenus cunninghamii* (33, 50%), *Acacia leptostachya* (33, 50%), *Acacia gonoclada* (33, 50%), *Calytrix longiflora* (22, 50%)

Frequent species (cover, frequency): *Acacia gonoclada* (50%), *Acacia lazaridis* (1, 50%), *Acacia leptostachya* (50%), *Acacia shirleyi* (2, 50%), *Calytrix longiflora* (2, 50%), *Jacksonia ramosissima* (1, 50%), *Maytenus cunninghamii* (50%), *Melaleuca citrolens* (3, 50%), *Persoonia falcata* (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.4m, range 0.2-0.5m, 2 sites

PFC avg. = 36.5%, range 30-43%, 2 sites

Dominant species (relative cover, frequency): *Triodia pungens* (93, 50%), *Schizachyrium indet.* (31, 50%), *Aristida indet.* (26, 100%), *Capillipedium parviflorum* (22, 50%), *Acacia shirleyi* (2, 50%)

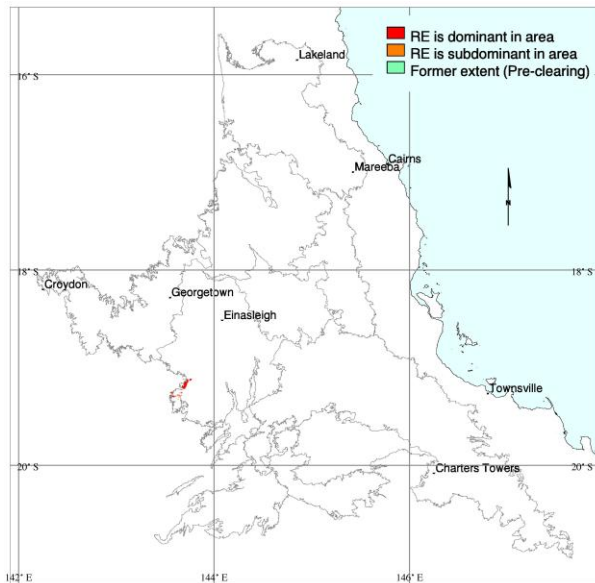
Frequent species (cover, frequency): GRAMINOIDS: *Aristida indet.* (11, 100%), *Capillipedium parviflorum* (10, 50%), *Schizachyrium indet.* (14, 50%), *Triodia pungens* (28, 50%)

FORBS: *Acacia shirleyi* (1, 50%), *Indigofera pratensis* (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Acacia shirleyi and Eucalyptus crebra woodland on undulating low hills and rises

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,297 3,270 99%

Species recorded: Total: 18; woody: 8; ground: 11; Avg. spp./site: 18.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 11.5 m²/ha, range: 11.5 - 12 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 100%, 1 site(s)

Representative sites: 26848.

Stratum: T1

Height avg. = 14.0m, 1 site

Crown cover avg. = 58.0%, 1 site

Stem density/ha avg. = 420, 1 site

Dominant species (relative cover, frequency): Acacia shirleyi (95, 100%), Eucalyptus crebra (5, 100%)

Frequent species (cover, frequency): Acacia shirleyi (52, 100%), Corymbia dallachiana (100%), Eucalyptus crebra (3, 100%)

Stratum: S1

Height avg. = 2.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Dominant species (relative cover, frequency): Terminalia aridicola (17, 100%), Persoonia falcata (17, 100%), Melaleuca citrolens (17, 100%), Gardenia vilhelmii (17, 100%), Carissa lanceolata (17, 100%)

Frequent species (cover, frequency): Acacia shirleyi (100%), Carissa lanceolata (100%), Gardenia vilhelmii (100%), Melaleuca citrolens (100%), Persoonia falcata (100%), Terminalia aridicola (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: G

Height avg. = 0.1m, 1 site

PFC avg. = 18.0%, 1 site

Dominant species (relative cover, frequency): *Aristida* indet. (83, 100%), *Schizachyrium* indet. (10, 100%), *Oldenlandia* indet. (1, 100%), *Evolvulus alsinoides* (1, 100%), *Eragrostis* indet. (1, 100%)

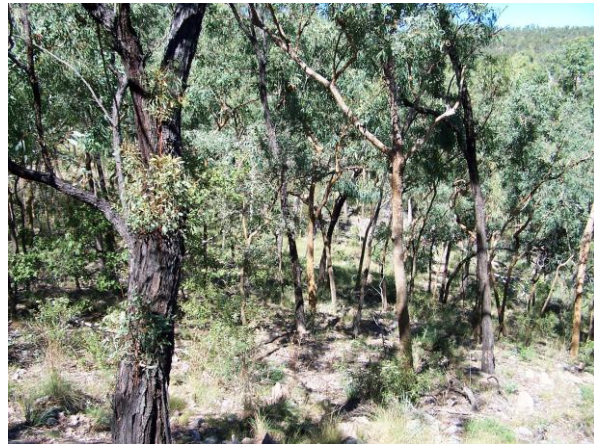
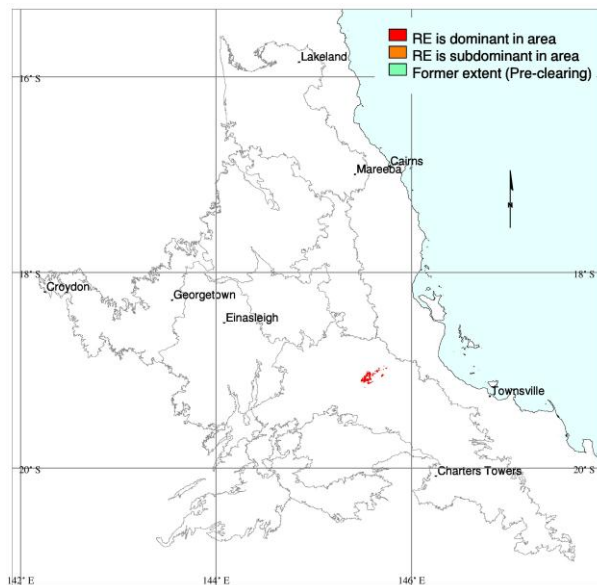
Frequent species (cover, frequency): GRAMINOIDS: *Aristida* indet. (16, 100%), *Eragrostis* indet. (100%), *Eriachne ciliata* (100%), *Heteropogon contortus* (100%), *Panicum* indet. (100%), *Schizachyrium* indet. (2, 100%)

FORBS: *Blumea* indet. (100%), *Evolvulus alsinoides* (100%), *Malvastrum americanum** (100%), *Oldenlandia* indet. (100%), *Spermacoce* indet. (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus crebra, Corymbia leichhardtii and C. lamprophylla woodland on steep to rugged metamorphic hills

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 8,856 8,820 100%

Species recorded: Total: 35; woody: 12; ground: 25; Avg. spp./site: 35.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 6.8 m²/ha, range: 6.8 - 7 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 100%, 1 site(s)

Representative sites: 27099.

Stratum: T1

Height avg. = 14.0m, 1 site

Crown cover avg. = 59.7%, 1 site

Stem density/ha avg. = 320, 1 site

Dominant species (relative cover, frequency): Corymbia leichhardtii (74, 100%), Eucalyptus crebra (26, 100%)

Frequent species (cover, frequency): Corymbia erythrophloia (100%), Corymbia lamprophylla (100%), Corymbia leichhardtii (42, 100%), Eucalyptus crebra (15, 100%)

Stratum: T2

Height avg. = 4.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 80, 1 site

Dominant species (relative cover, frequency): Larsenaikia ochreatea (20, 100%), Grevillea glauca (20, 100%), Corymbia leichhardtii (20, 100%), Alphitonia excelsa (20, 100%), Acacia indet. (20, 100%)

Frequent species (cover, frequency): Acacia indet. (100%), Alphitonia excelsa (100%), Corymbia leichhardtii (100%), Grevillea glauca (100%), Larsenaikia ochreatea (100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.5m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 2120, 1 site

Dominant species (relative cover, frequency): *Angiosperm indet.* (31, 100%), *Larsenaikia ochreatea* (11, 100%), *Indigofera indet.* (11, 100%), *Breynia oblongifolia* (11, 100%), *Alphitonia excelsa* (11, 100%)

Frequent species (cover, frequency): *Acacia humifusa* (100%), *Acacia indet.* (100%), *Alphitonia excelsa* (100%), *Angiosperm indet.* (100%), *Breynia oblongifolia* (100%), *Indigofera indet.* (100%), *Larsenaikia ochreatea* (100%)

Stratum: G

Height avg. = 0.2m, 1 site

PFC avg. = 37.0%, 1 site

Dominant species (relative cover, frequency): *Sorghum indet.* (35, 100%), *Aristida indet.* (16, 100%), *Themeda triandra* (13, 100%), *Scleria indet.* (8, 100%), *Eriachne indet.* (8, 100%)

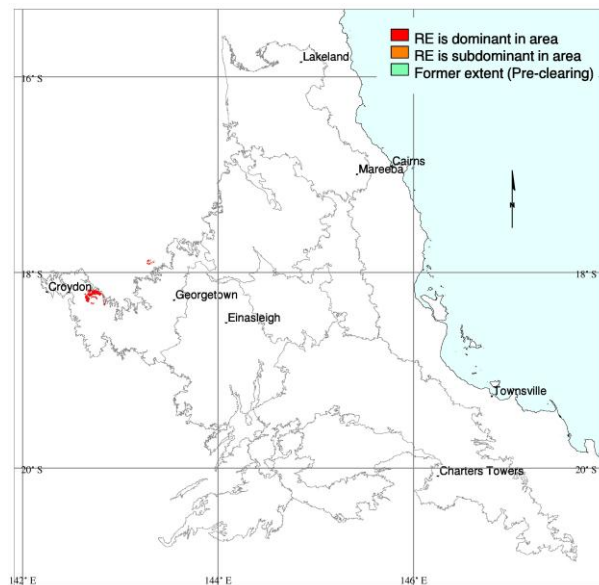
Frequent species (cover, frequency): GRAMINOIDS: *Aristida indet.* (6, 100%), *Arundinella indet.* (1, 100%), *Cymbopogon indet.* (100%), *Cyperus indet.* (100%), *Enneapogon indet.* (100%), *Eriachne indet.* (3, 100%), *Panicum indet.* (100%), *Poaceae indet.* (100%), *Scleria indet.* (3, 100%), *Setaria indet.* (100%), *Sorghum indet.* (14, 100%), *Themeda triandra* (5, 100%)

FORBS: *Acacia humifusa* (2, 100%), *Asteraceae indet.* (100%), *Crotalaria indet.* (100%), *Crotalaria medicaginea* (100%), *Dianella indet.* (100%), *Fabaceae indet.* (100%), *Hibiscus meraukensis* (100%), *Indigofera pratensis* (100%), *Lomandra indet.* (100%), *Lomandra leucocephala* (100%), *Phyllanthus indet.* (100%), *Rostellularia adscendens* (100%), *Tephrosia indet.* (3, 100%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

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Acacia leptostachya low woodland +/- Eucalyptus chartaboma and/or Erythrophleum chlorostachys emergents on rocky hills


M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 11,418 11,380 100%

Species recorded: Total: 25; woody: 15; ground: 10; Avg. spp./site: 19.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 5.1 m²/ha, range: 3.1 - 7 m²/ha, std. deviation: 2 m²/ha, 2 site(s)

Structural formation: Low woodland: 100%, 2 site(s)

Representative sites: 26716, 39264.

Stratum: E

Height avg. = 14.0m, 1 site

Crown cover avg. = 2.9%, 1 site

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): Corymbia polycarpa (99, 50%), Erythrophleum chlorostachys (1, 50%)

Frequent species (cover, frequency): Corymbia polycarpa (3, 50%), Erythrophleum chlorostachys (50%)

Stratum: T1

Height avg. = 6.5m, range 6-7m, 2 sites

Crown cover avg. = 51.0%, range 42.3-59.7%, 2 sites

Stem density/ha avg. = 1340, range 320-2360, 2 sites

Dominant species (relative cover, frequency): Acacia indet. (50, 50%), Acacia leptostachya (47, 100%), Melaleuca nervosa (34, 50%), Petalostigma pubescens (15, 50%), Corymbia pocillum (8, 50%)

Frequent species (cover, frequency): Acacia leptostachya (26, 100%), Erythrophleum chlorostachys (100%), Acacia indet. (16, 50%), Acacia shirleyi (50%), Alphitonia pomaderroides (50%), Cochlospermum gillivraei (50%), Corymbia pocillum (4, 50%), Melaleuca nervosa (11, 50%), Petalostigma banksii (50%), Petalostigma pubescens (5, 50%), Santalum lanceolatum (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 1.8m, range 1.5-2m, 2 sites

Crown cover avg. = 16.8%, range 0.0-33.7%, 2 sites

Stem density/ha avg. = 3950, range 1700-6200, 2 sites

Dominant species (relative cover, frequency): Dolichandrone heterophylla (60, 50%), Calytrix indet. (53, 50%), Petalostigma banksii (25, 100%), Petalostigma pubescens (22, 50%), Alphonsoa pomaderroides (6, 50%)

Frequent species (cover, frequency): Petalostigma banksii (7, 100%), Acacia indet. (50%), Acacia leptostachya (50%), Alphonsoa pomaderroides (50%), Boronia bowmanii (50%), Calytrix indet. (15, 50%), Corymbia polycarpa (50%), Dolichandrone heterophylla (1, 50%), Erythrophleum chlorostachys (50%), Melaleuca nervosa (50%), Petalostigma pubescens (50%)

Stratum: G

Height avg. = 0.2m, 1 site

PFC avg. = 40.0%, 1 site

Dominant species (relative cover, frequency): Schizachyrium indet. (65, 50%), Eragrostis indet. (19, 50%), Enneapogon indet. (10, 50%), Setaria indet. (2, 50%), Abutilon indet. (2, 50%)

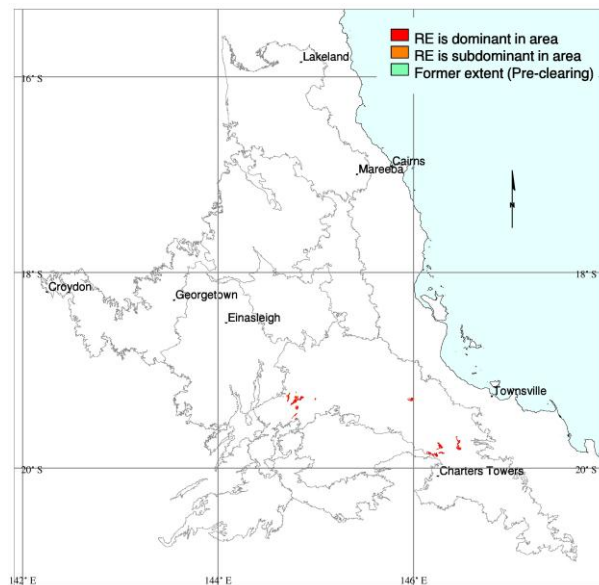
Frequent species (cover, frequency): GRAMINOIDS: Aristida indet. (50%), Enneapogon indet. (4, 50%), Eragrostis indet. (8, 50%), Schizachyrium indet. (27, 50%), Setaria indet. (1, 50%)

FORBS: Abutilon indet. (1, 50%), Fabaceae indet. (50%), Heliotropium indet. (50%), Hyptis indet. (50%), Spermacoce indet. (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Corymbia terminalis and/or Eucalyptus crebra and/or C. erythrophloia woodland on aprons surrounding limestone outcrops

M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 13,105 13,065 100%

Species recorded: Total: 56; woody: 27; ground: 30; Avg. spp./site: 30.5; std dev.: 11.5, 2 site(s)

Basal area: Avg./site: 2.5 m²/ha, range: 1.0 - 4 m²/ha, std. deviation: 2 m²/ha, 2 site(s)

Structural formation: Woodland: 100%, 2 site(s)

Representative sites: 26536, 26687.

Stratum: T1

Height avg. = 12.0m, range 12-12m, 2 sites

Crown cover avg. = 21.5%, range 15.9-27.0%, 2 sites

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Corymbia terminalis (91, 100%), Acacia excelsa (17, 50%)

Frequent species (cover, frequency): Corymbia terminalis (19, 100%), Acacia excelsa (2, 50%), Eucalyptus crebra (50%), Petalostigma pubescens (50%)

Stratum: T2

Height avg. = 5.5m, range 5-6m, 2 sites

Crown cover avg. = 10.2%, range 4.4-15.9%, 2 sites

Stem density/ha avg. = 260, 1 site

Dominant species (relative cover, frequency): Dolichandrone heterophylla (61, 50%), Corymbia terminalis (43, 50%), Corymbia dallachiana (28, 50%), Pleiogynium timorense (22, 50%), Bursaria incana (18, 100%)

Frequent species (cover, frequency): Bursaria incana (2, 100%), Archidendropsis basaltica (50%), Corymbia dallachiana (3, 50%), Corymbia terminalis (4, 50%), Dolichandrone heterophylla (2, 50%), Ehretia membranifolia (50%), Hakea arborescens (50%), Lysiphyllum hookeri (50%), Pleiogynium timorense (1, 50%), Santalum lanceolatum (50%), Terminalia aridicola (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Stratum: S1

Height avg. = 2.4m, range 0.7-4m, 2 sites

Crown cover avg. = 17.1%, range 11.8-22.5%, 2 sites

Stem density/ha avg. = 380, 1 site

Dominant species (relative cover, frequency): *Petalostigma pubescens* (82, 50%), *Cajanus reticulatus* (78, 50%), *Drypetes deplanchei* (16, 50%), *Santalum lanceolatum* (12, 50%), *Grewia retusifolia* (6, 50%)

Frequent species (cover, frequency): *Cajanus reticulatus* (8, 50%), *Capparis lasiantha* (50%), *Cayratia trifolia* (50%), *Drypetes deplanchei* (2, 50%), *Erythroxylum australe* (50%), *Geijera salicifolia* (50%), *Grewia retusifolia* (1, 50%), *Indigofera pratensis* (50%), *Petalostigma pubescens* (16, 50%), *Psydrax saligna forma saligna* (1, 50%), *Santalum lanceolatum* (2, 50%)

Stratum: S2

Height avg. = 1.8m, 1 site

Crown cover avg. = 13.8%, 1 site

Dominant species (relative cover, frequency): *Carissa lanceolata* (67, 50%), *Hovea longipes* (25, 50%), *Jacquemontia paniculata* (6, 50%), *Psydrax odorata forma buxifolia* (2, 50%)

Frequent species (cover, frequency): *Carissa lanceolata* (6, 50%), *Hovea longipes* (2, 50%), *Jacquemontia paniculata* (1, 50%), *Psydrax odorata forma buxifolia* (50%)

Stratum: G

Height avg. = 0.5m, range 0.3-0.6m, 2 sites

PFC avg. = 47.5%, range 40-55%, 2 sites

Dominant species (relative cover, frequency): *Bothriochloa indet.* (75, 50%), *Heteropogon contortus* (30, 100%), *Indigofera pratensis* (15, 50%), *Panicum effusum var. effusum* (11, 50%), *Bothriochloa pertusa** (7, 50%)

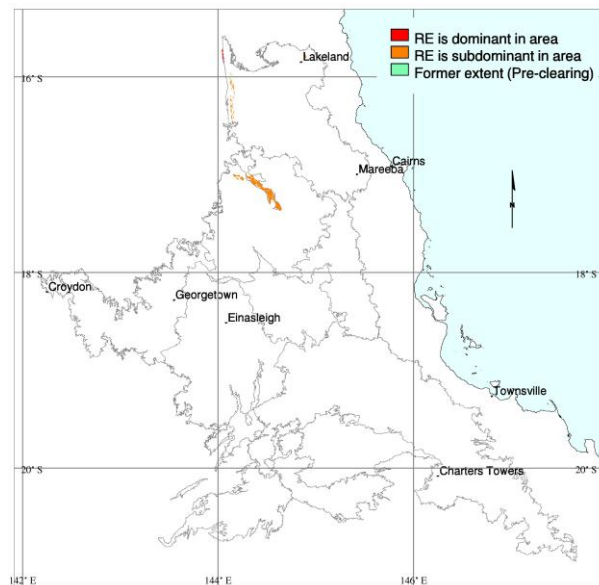
Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (16, 100%), *Melinis repens** (3, 100%), *Aristida gracilipes* (50%), *Bothriochloa indet.* (30, 50%), *Bothriochloa pertusa** (4, 50%), *Cymbopogon refractus* (4, 50%), *Dichanthium sericeum* (50%), *Enneapogon indet.* (50%), *Heteropogon triticeus* (2, 50%), *Panicum effusum var. effusum* (6, 50%), *Paspalidium gracile* (2, 50%), *Sarga plumosum* (50%), *Scleria mackaviensis* (50%), *Themeda triandra* (50%)

FORBS: *Alectryon oleifolius* (50%), *Brunoniella australis* (1, 50%), *Crotalaria brevis* (50%), *Hibiscus meraukensis* (50%), *Indigofera linifolia* (50%), *Indigofera pratensis* (8, 50%), *Ipomoea eriocarpa* (50%), *Marsdenia microlepis* (50%), *Melhania oblongifolia* (50%), *Phyllanthus indet.* (50%), *Polygala indet.* (50%), *Polymeria calycina* (50%), *Rhynchosia minima* (50%), *Rostellularia adscendens subsp. adscendens* (50%), *Secamone elliptica* (50%), *Spermacoce brachystema* (50%)

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

Naturalised species have an asterisk (*) after the name. indet. after listed name = indeterminate species or genus

Eucalyptus leptophleba and/or Corymbia terminalis +/- C. dallachiana woodland on aprons surrounding limestone outcrops

G.W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,445 3,300 96%

Species recorded: Total: 41; woody: 15; ground: 30; Avg. spp./site: 23.0; std dev.: 4.0, 2 site(s)

Basal area: Avg./site: 4.3 m²/ha, range: 4.0 - 5 m²/ha, std. deviation: 0 m²/ha, 2 site(s)

Structural formation: Woodland: 50%; open-woodland: 50%, 2 site(s)

Representative sites: 26992, 27002.

Stratum: T1

Height avg. = 17.5m, range 17-18m, 2 sites

Crown cover avg. = 36.2%, range 18.1-54.3%, 2 sites

Stem density/ha avg. = 150, range 100-200, 2 sites

Dominant species (relative cover, frequency): Eucalyptus leptophleba (91, 100%), Corymbia terminalis (13, 50%), Corymbia confertiflora (4, 50%)

Frequent species (cover, frequency): Eucalyptus leptophleba (23, 100%), Corymbia clarksoniana (50%), Corymbia confertiflora (2, 50%), Corymbia hylandii (50%), Corymbia terminalis (6, 50%), Corymbia tessellaris (50%), Cymbidium canaliculatum (50%), Eucalyptus tetradonta (50%), Planchonia careya (50%)

Stratum: S1

Height avg. = 4.0m, range 1-7m, 2 sites

Crown cover avg. = 1.5%, range 0.0-2.9%, 2 sites

Stem density/ha avg. = 160, range 60-260, 2 sites

Dominant species (relative cover, frequency): Planchonia careya (55, 100%), Grewia retusifolia (14, 50%), Ehretia membranifolia (14, 50%), Corymbia dallachiana (14, 50%), Capparis indet. (14, 50%)

Frequent species (cover, frequency): Eucalyptus leptophleba (100%), Planchonia careya (100%), Acacia indet. (50%), Capparis indet. (50%), Corymbia dallachiana (50%), Ehretia membranifolia (50%), Grewia retusifolia (50%), Ziziphus mauritiana (50%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

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Stratum: G

Height avg. = 0.5m, range 0.2-0.7m, 2 sites

PFC avg. = 38.0%, range 23-53%, 2 sites

Dominant species (relative cover, frequency): Poaceae indet. (48, 50%), Hyptis suaveolens (30, 50%), Perotis rara (20, 50%), Heteropogon contortus (19, 100%), Dichanthium setosum (14, 50%)*

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (8, 100%), Aristida hygrometrica (2, 50%), Bothriochloa ewartiana (50%), Chloris lobata (50%), Dichanthium setosum (3, 50%), Eragrostis cumingii (50%), Panicum effusum (3, 50%), Perotis rara (11, 50%), Poaceae indet. (12, 50%), Sarga plumosum (50%), Schizachyrium fragile (1, 50%), Setaria surgens (50%), Themeda arguens (2, 50%), Themeda quadrivalvis (50%)*

FORBS: Stylosanthes indet. (2, 100%), Brunoniella acaulis (1, 50%), Cayratia indet. (50%), Clematicissus opaca (50%), Dendrolobium arbuscula (1, 50%), Desmodium indet. (1, 50%), Flemingia indet. (50%), Grewia retusifolia (50%), Helicteres sp. (Bulimba Station P.I.Forster PIF14740) (50%), Hyptis suaveolens (16, 50%), Indigofera colutea (50%), Indigofera pratensis (50%), Malvastrum americanum* (1, 50%), Sida cordifolia* (1, 50%), Tephrosia filipes (50%), Triumfetta rhomboidea* (50%)*

Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum.

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species are listed as either graminoid or forb.

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