



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: <ul style="list-style-type: none"> Emergent (E) Canopy (T1), Sub-canopy (T2) and Low tree layers (T3) Shrub (S1) and Sub-shrub layers (S2) Ground (G) 	<ul style="list-style-type: none"> <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

Conditions of use

Technical descriptions have been developed from information published by the State of Queensland (acting through the Department) and remain the property of the State of Queensland. Technical descriptions are not to be included on internet sites other than the Queensland Government website.

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.

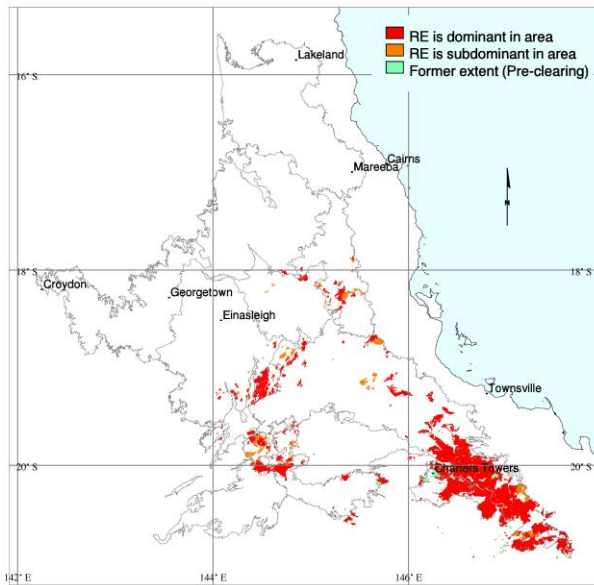
While every effort has been made to ensure the information presented is as reliable as possible, the State of Queensland accepts no liability and gives no assurance in respect of its accuracy and shall not be liable for any loss or damage arising from its use.

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.

For more information, contact:

Queensland Herbarium, Science Delivery
Brisbane Botanic Gardens, Mt Coot-tha
Mt Coot-tha Road
Toowong Qld 4066
Australia
Phone: (07) 3896 9326
Queensland.Herbarium@dsitia.qld.gov.au

Eucalyptus crebra +/- Corymbia spp. woodland on igneous rocks



C. Kahler

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 713,848 678,180 95%

Species recorded: Total: 256; woody: 67; ground: 194; Avg. spp./site: 27.1; std dev.: 12.3, 18 site(s)

Basal area: Avg./site: 5.3 m²/ha, range: 3.0 - 8 m²/ha, std. deviation: 1 m²/ha, 13 site(s)

Structural formation: Woodland: 45%; open-woodland: 45%; low open-woodland: 9%, 22 site(s)

Representative sites: 25583, 25594, 25610, 25736, 25738, 25740, 26004, 26007, 26010, 26018, 26021, 26022, 26116, 26201, 26239, 26268, 26276, 26511, 26894, 26897, 26898, 26904.

Stratum: T1

Height avg. = 13.9m, range 7-18m, 22 sites

Crown cover avg. = 16.9%, range 0.6-46.5%, 22 sites

Stem density/ha avg. = 96, range 20-200, 9 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (66, 77%), Corymbia erythrophloia (51, 27%), Corymbia dallachiana (9, 45%), Corymbia clarksoniana (4, 41%)

Frequent species (cover, frequency): Eucalyptus crebra (9, 77%), Corymbia dallachiana (1, 45%), Corymbia clarksoniana (41%), Corymbia erythrophloia (3, 27%), Eucalyptus exilipes (16, 14%), Corymbia leichhardtii (4, 9%), Corymbia peltata (3, 9%), Acacia julifera (5%), Bursaria incana (5%), Corymbia intermedia (1, 5%), Corymbia trachyphloia subsp. trachyphloia (25, 5%), Eucalyptus granitica (29, 5%), Grevillea glauca (5%), Hakea chordophylla (5%), Maytenus cunninghamii (5%), Pleiogyneum timorense (5%), Psydrax attenuata (5%)

Stratum: T2

Height avg. = 6.5m, range 4-10m, 10 sites

Crown cover avg. = 4.5%, range 0.0-15.9%, 10 sites

Stem density/ha avg. = 223, range 60-450, 4 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (38, 36%)

Frequent species (cover, frequency): Eucalyptus crebra (1, 36%), Bursaria incana (14%), Corymbia erythrophloia (2, 14%), Acacia bidwillii (9%), Atalaya hemiglaucula (9%), Corymbia dallachiana (9%), Geijera salicifolia (9%), Maytenus cunninghamii (9%), Melaleuca nervosa (9%), Psydrax attenuata (9%), Acacia aulacocarpa (5%), Acacia cowleana (5%), Acacia holosericea (5%), Acacia julifera (5%), Acacia julifera subsp. julifera (16, 5%), Alphitonia excelsa (5%), Corymbia clarksoniana (5%), Corymbia leichhardtii (5%), Corymbia peltata (5%), Corymbia trachyphloia subsp. trachyphloia (1, 5%), Grevillea glauca (2, 5%), Larsenaikia ochreatea (5%), Petalostigma pubescens (5%), Pleiogyneum timorense (5%), Santalum lanceolatum (5%), Terminalia aridicola (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: S1

Height avg. = 2.3m, range 0.6-4.5m, 21 sites

Crown cover avg. = 1.6%, range 0.0-6.1%, 21 sites

Stem density/ha avg. = 220, range 20-460, 8 sites

Dominant species (relative cover, frequency): *Petalostigma pubescens* (37, 32%), *Bursaria incana* (25, 27%), *Maytenus cunninghamii* (16, 41%)

Frequent species (cover, frequency): *Maytenus cunninghamii* (41%), *Petalostigma pubescens* (1, 32%), *Bursaria incana* (27%), *Carissa lanceolata* (18%), *Eucalyptus crebra* (18%), *Acacia aulacocarpa* (14%), *Acacia bidwillii* (14%), *Alphitonia excelsa* (14%), *Atalaya hemiglaucula* (14%), *Erythroxylum australe* (14%), *Melaleuca nervosa* (14%), *Planchonia careya* (14%), *Acacia farnesiana** (9%), *Alphitonia pomaderroides* (9%), *Corymbia erythrophloia* (9%), *Eucalyptus exilipes* (3, 9%), *Geijera salicifolia* (9%), *Grewia retusifolia* (9%), *Solanum ellipticum* (9%), *Xanthorrhoea johnsonii* (9%), *Ziziphus mauritiana** (9%), *Acacia holosericea* (5%), *Acacia indet.* (5%), *Acacia julifera subsp. curvinervia* (5%), *Acacia julifera subsp. julifera* (5%), *Acacia leptostachya* (5%), *Alectryon coriaceus* (5%), *Alstonia constricta* (5%), *Archidendropsis basaltica* (5%), *Canthium indet.* (5%), *Capparis lasiantha* (5%), *Carissa ovata* (5%), *Corymbia citriodora* (5%), *Corymbia dallachiana* (1, 5%), *Corymbia intermedia* (5%), *Corymbia trachyphloia subsp. trachyphloia* (5%), *Cryptostegia grandiflora** (5%), *Cymbidium canaliculatum* (5%), *Dodonaea viscosa subsp. burmanniana* (5%), *Dolichandrone heterophylla* (5%), *Drypetes deplanchei* (5%), *Eucalyptus exserta* (5%), *Eucalyptus granitica* (5%), *Euroschinus falcatus* (5%), *Flueggea leucopyrus* (5%), *Flueggea virosa subsp. melanthesoides* (5%), *Grevillea glauca* (5%), *Grevillea parallela* (5%), *Grewia latifolia* (5%), *Hakea chordophylla* (5%), *Hibbertia longifolia* (5%), *Indigofera pratensis* (5%), *Persoonia falcata* (5%), *Pogonolobus reticulatus* (5%), *Psyrax oleifolia* (5%), *Santalum lanceolatum* (5%), *Trema tomentosa var. viridis* (5%), *Trophis scandens* (5%)

Stratum: S2

Height avg. = 0.7m, range 0.5-1m, 3 sites

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

Stem density/ha avg. = 155, range 60-250, 2 sites

Frequent species (cover, frequency): *Maytenus cunninghamii* (9%), *Acacia cowleana* (5%), *Acacia julifera subsp. julifera* (5%), *Alphitonia excelsa* (5%), *Carissa lanceolata* (5%), *Psyrax attenuata* (5%)

Stratum: G

Height avg. = 0.6m, range 0.2-1m, 18 sites

PFC avg. = 48.5%, range 10-90%, 18 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (35, 68%), *Themeda triandra* (21, 32%), *Melinis repens** (4, 41%), *Spermacoce brachystema* (2, 32%), *Cyanthillium cinereum* (2, 27%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (15, 68%), *Melinis repens** (3, 41%), *Themeda triandra* (17, 32%), *Enneapogon indet.* (23%), *Heteropogon triticeus* (1, 23%), *Aristida indet.* (5, 18%), *Chrysopogon fallax* (6, 18%), *Mnesithea formosa* (18%), *Sarga plumosum* (5, 18%), *Aristida calycina* (4, 14%), *Arundinella setosa* (1, 14%), *Capillipedium parviflorum* (1, 14%), *Enneapogon lindleyanus* (5, 14%), *Enneapogon polyphyllus* (5, 14%), *Fimbristylis indet.* (2, 14%), *Panicum effusum var. effusum* (2, 14%), *Aristida jerichoensis* (25, 9%), *Bothriochloa indet.* (16, 9%), *Cymbopogon bombycinus* (9%), *Cymbopogon indet.* (1, 9%), *Dichanthium sericeum subsp. sericeum* (9%), *Digitaria indet.* (9%), *Eragrostis indet.* (9%), *Eragrostis spartinoideis* (4, 9%), *Eulalia aurea* (36, 9%), *Fimbristylis dichotoma* (2, 9%), *Panicum indet.* (1, 9%), *Pennisetum ciliare** (9%), *Scleria brownii* (9%), *Sporobolus australasicus* (9%), *Urochloa holosericea* (9%)

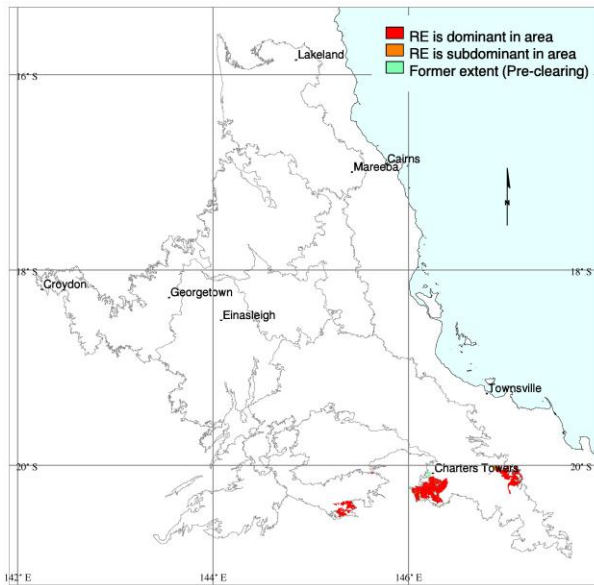
FORBS: *Evolvulus alsinoides* (36%), *Grewia retusifolia* (1, 36%), *Spermacoce brachystema* (32%), *Cyanthillium cinereum* (27%), *Waltheria indica* (27%), *Glycine tomentella* (23%), *Indigofera pratensis* (23%), *Chamaecrista mimosoides* (18%), *Crotalaria medicaginea* (18%), *Indigofera linnaei* (18%), *Phyllanthus virgatus* (18%), *Pterocaulon sphacelatum* (18%), *Achyranthes aspera* (14%), *Boerhavia dominii* (14%), *Indigofera linifolia* (1, 14%), *Peripleura obovata* (14%), *Rostellularia adscendens* (14%), *Sida cordifolia** (14%), *Sida indet.* (14%), *Stylosanthes scabra** (4, 14%), *Tephrosia filipes* (14%), *Wahlenbergia indet.* (14%), *Zornia indet.* (1, 14%), *Brunoniella australis* (9%), *Brunoniella indet.* (1, 9%), *Calotis cuneifolia* (9%), *Desmodium rhytidophyllum* (1, 9%), *Epaltes australis* (9%), *Galactia tenuiflora forma sericea* (1, 9%), *Galactia tenuiflora var. lucida* (9%), *Glycine indet.* (2, 9%), *Goodenia cycloptera* (1, 9%), *Heliotropium indet.* (9%), *Hybanthus enneaspermus* (9%), *Indigofera colutea* (9%), *Indigofera hirsuta* (9%), *Lomandra indet.* (9%), *Melhania oblongifolia* (9%), *Peripleura bicolor* (9%), *Phyllanthus fuernrohrii* (9%), *Phyllanthus indet.* (9%), *Pterocaulon redolens* (9%), *Wedelia spilanthis* (9%), *Zornia muriculata* (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 xanthoclada +/- Corymbia erythrophloia open-woodland on igneous rocks



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 100,195 93,205 93%

Species recorded: Total: 123; woody: 50; ground: 75; Avg. spp./site: 34.2; std dev.: 19.8, 5 site(s)

Basal area: 0

Structural formation: Open-woodland: 80%; woodland: 20%, 5 site(s)

Representative sites: 25568, 25571, 25579, 25590, 25848.

Stratum: T1

Height avg. = 14.0m, range 12-15m, 5 sites

Crown cover avg. = 10.1%, range 2.9-15.9%, 5 sites

Dominant species (relative cover, frequency): Eucalyptus xanthoclada (80, 100%), Corymbia erythrophloia (19, 100%)

Frequent species (cover, frequency): Corymbia erythrophloia (2, 100%), Eucalyptus xanthoclada (8, 100%), Corymbia dallachiana (80%), Corymbia tessellaris (40%), Euroschinus falcatus var. falcatus (40%), Pleiogynium timorense (40%), Acacia excelsa (20%), Corymbia clarksoniana (20%), Eucalyptus persistens (20%), Eucalyptus tereticornis (20%), Ficus rubiginosa (20%)

Stratum: T2

Height avg. = 6.6m, range 5-8m, 5 sites

Crown cover avg. = 2.6%, range 0.0-6.1%, 5 sites

Dominant species (relative cover, frequency): Petalostigma pubescens (24, 40%), Corymbia erythrophloia (22, 80%), Acacia bidwillii (20, 60%), Eucalyptus xanthoclada (19, 60%), Geijera salicifolia (13, 40%)

Frequent species (cover, frequency): Corymbia erythrophloia (80%), Acacia bidwillii (60%), Bursaria incana (60%), Eucalyptus xanthoclada (60%), Alphitonia excelsa (40%), Euroschinus falcatus var. falcatus (40%), Geijera salicifolia (40%), Petalostigma pubescens (40%), Pleiogynium timorense (40%), Acacia excelsa (20%), Albizia canescens (20%), Atalaya hemiglauca (20%), Corymbia dallachiana (20%), Cupaniopsis anacardioides (20%), Cupaniopsis parvifolia (20%), Diospyros geminata (20%), Melaleuca nervosa (20%), Owenia acidula (20%), Persoonia falcata (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. = 2.1m, range 1.5-3m, 5 sites

Crown cover avg. = 6.6%, range 0.0-11.8%, 5 sites

Dominant species (relative cover, frequency): *Carissa lanceolata* (59, 40%), *Petalostigma pubescens* (15, 40%), *Maytenus cunninghamii* (10, 40%), *Acacia bidwillii* (10, 60%), *Ziziphus mauritiana** (9, 60%)

Frequent species (cover, frequency): *Acacia bidwillii* (60%), *Bursaria incana* (60%), *Ziziphus mauritiana** (60%), *Alphitonia excelsa* (40%), *Carissa lanceolata* (5, 40%), *Cryptostegia grandiflora** (40%), *Erythroxylum australe* (40%), *Geijera salicifolia* (40%), *Maytenus cunninghamii* (40%), *Petalostigma pubescens* (40%), *Santalum lanceolatum* (40%), *Acacia farnesiana** (20%), *Acacia flavescens* (20%), *Acacia indet.* (20%), *Acacia jackesiana* (20%), *Acacia leiocalyx* (20%), *Adiantum aethiopicum* (20%), *Albizia canescens* (20%), *Antidesma parvifolium* (20%), *Atalaya hemiglaucata* (20%), *Breynia oblongifolia* (20%), *Carissa ovata* (20%), *Cupaniopsis anacardioides* (20%), *Cupaniopsis parvifolia* (20%), *Diospyros geminata* (20%), *Gossia bidwillii* (20%), *Grewia latifolia* (20%), *Grewia retusifolia* (20%), *Lantana camara** (20%), *Larsenaikia ochreatea* (20%), *Melaleuca nervosa* (20%), *Myoporum montanum* (20%), *Owenia acidula* (20%), *Persoonia falcata* (20%), *Planchonia careya* (20%), *Pogonolobus reticulatus* (20%), *Psydrax oleifolia* (20%), *Trema tomentosa* var. *viridis* (20%), *Xanthorrhoea johnsonii* (20%)

Stratum: G

Height avg. = 0.5m, range 0.5-0.6m, 5 sites

PFC avg. = 35.0%, range 10-60%, 5 sites

Dominant species (relative cover, frequency): *Themeda triandra* (25, 40%), *Heteropogon contortus* (16, 80%), *Crotalaria medicaginea* (15, 40%), *Heteropogon triticeus* (12, 40%), *Waltheria indica* (9, 60%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (3, 80%), *Heteropogon triticeus* (3, 40%), *Panicum effusum* var. *effusum* (40%), *Scleria sphacelata* (40%), *Themeda triandra* (5, 40%), *Aristida gracilipes* (20%), *Aristida holathera* var. *holathera* (20%), *Aristida jerichoensis* (20%), *Aristida queenslandica* var. *queenslandica* (5, 20%), *Aristida utilis* var. *utilis* (20%), *Bothriochloa ewartiana* (20%), *Capillipedium spicigerum* (20%), *Chrysopogon fallax* (20%), *Cyperus exaltatus* (20%), *Enneapogon pallidus* (20%), *Enneapogon polyphyllus* (20%), *Eragrostiella indet.* (20%), *Eragrostis leptostachya* (20%), *Eragrostis sororia* (20%), *Eriachne mucronata* (20%), *Eulalia aurea* (20%), *Gahnia aspera* (20%), *Imperata cylindrica* (20%), *Ophiuros exaltatus* (20%), *Panicum effusum* var. *simile* (20%), *Paspalidium caespitosum* (20%), *Schizachyrium fragile* (20%), *Setaria australiensis* (20%), *Sporobolus australasicus* (20%)

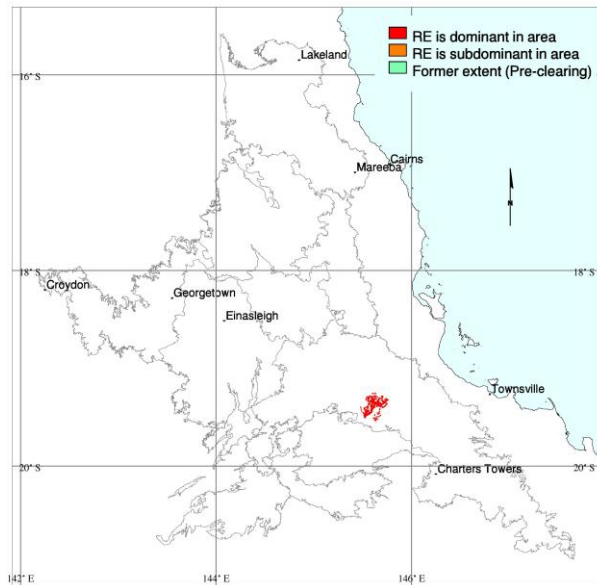
FORBS: *Brunoniella australis* (60%), *Rostellularia adscendens* (60%), *Waltheria indica* (60%), *Crotalaria medicaginea* (40%), *Glycine tomentella* (40%), *Indigofera australis* (40%), *Phyllanthus fuernrohrii* (40%), *Pterocaulon sphacelatum* (40%), *Wedelia spilanthoides* (40%), *Alternanthera nana* (20%), *Boerhavia dominii* (20%), *Bridelia leichhardtii* (20%), *Cajanus acutifolius* (20%), *Cajanus scarabaeoides* var. *scarabaeoides* (20%), *Cassytha pubescens* (20%), *Chrysocephalum apiculatum* (20%), *Clematicissus opaca* (20%), *Cleome viscosa* (20%), *Clerodendrum floribundum* (20%), *Crotalaria montana* (20%), *Desmodium filiforme* (20%), *Dianella caerulea* (20%), *Dianella longifolia* (20%), *Evolvulus alsinoides* (20%), *Grewia retusifolia* (20%), *Heliotropium indet.* (20%), *Jasminum didymum* (20%), *Lomandra multiflora* subsp. *multiflora* (20%), *Malvastrum americanum** (20%), *Maytenus disperma* (20%), *Melhania oblongifolia* (20%), *Oxalis perennans* (20%), *Pandorea pandorana* (20%), *Pararistolochia praevanosa* (20%), *Parsonsia velutina* (20%), *Phyllanthus mitchellii* (20%), *Phyllanthus virgatus* (20%), *Planchonia careya* (20%), *Rhynchosia minima* (20%), *Sida indet.* (20%), *Solanum ellipticum* (20%), *Spermacoce auriculata* (20%), *Spermacoce brachystema* (20%), *Spermacoce multicaulis* (20%), *Uraria lagopodioides* (20%), *Xerochrysum bracteatum* (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 drepanophylla or E. crebra +/- Corymbia erythrophloia +/- C. dallachiana woodland on igneous rocks



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 26,112 25,762 99%

Species recorded: Total: 25; woody: 7; ground: 22; Avg. spp./site: 25.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 9.0 m²/ha, range: 9.0 - 9 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 100%, 1 site(s)

Representative sites: 27095.

Stratum: T1

Height avg. = 17.0m, 1 site

Crown cover avg. = 31.4%, 1 site

Stem density/ha avg. = 160, 1 site

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (74, 100%), Corymbia erythrophloia (26, 100%)

Frequent species (cover, frequency): Corymbia erythrophloia (7, 100%), Eucalyptus drepanophylla (20, 100%)

Stratum: T2

Height avg. = 5.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 60, 1 site

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (33, 100%), Corymbia erythrophloia (33, 100%), Acacia bidwillii (33, 100%)

Frequent species (cover, frequency): Acacia bidwillii (100%), Corymbia erythrophloia (100%), Eucalyptus drepanophylla (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. = 560, 1 site

Dominant species (relative cover, frequency): *Acacia indet.* (31, 100%), *Maytenus cunninghamii* (11, 100%), *Eucalyptus drepanophylla* (11, 100%), *Corymbia erythrophloia* (11, 100%), *Bursaria incana* (11, 100%)

Frequent species (cover, frequency): *Acacia bidwillii* (100%), *Acacia indet.* (100%), *Angiosperm indet.* (100%), *Bursaria incana* (100%), *Corymbia erythrophloia* (100%), *Eucalyptus drepanophylla* (100%), *Maytenus cunninghamii* (100%)

Stratum: G

Height avg. = 0.4m, 1 site

PFC avg. = 40.0%, 1 site

Dominant species (relative cover, frequency): *Melinis repens** (28, 100%), *Enneapogon indet.* (13, 100%), *Aristida indet.* (10, 100%), *Rostellularia adscendens* (10, 100%), *Themeda triandra* (10, 100%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida indet.* (4, 100%), *Cyperus indet.* (100%), *Dactyloctenium indet.* (1, 100%), *Enneapogon indet.* (5, 100%), *Heteropogon contortus* (3, 100%), *Heteropogon triticeus* (1, 100%), *Melinis repens** (11, 100%), *Panicum indet.* (3, 100%), *Scleria indet.* (2, 100%), *Themeda triandra* (4, 100%)

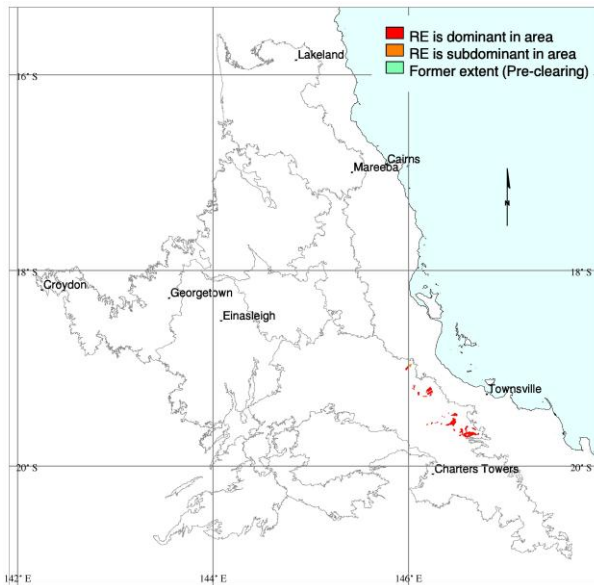
FORBS: *Acacia bidwillii* (100%), *Angiosperm indet.* (100%), *Cajanus indet.* (100%), *Chrysocephalum apiculatum* (100%), *Crotalaria medicaginea* (100%), *Grewia retusifolia* (100%), *Indigofera linnaei* (100%), *Indigofera pratensis* (100%), *Pterocaulon indet.* (100%), *Rostellularia adscendens* (4, 100%), *Sauropus indet.* (100%), *Sida 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 or E. granitica +/- C. dallachiana woodland on steep rugged hills and mountain ranges



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 20,280 20,181 100%

Species recorded: Total: 118; woody: 10; ground: 108; Avg. spp./site: 36.0; std dev.: 22.0, 4 site(s)

Basal area: Avg./site: 7.6 m²/ha, range: 2.0 - 11 m²/ha, std. deviation: 3 m²/ha, 4 site(s)

Structural formation: Woodland: 100%, 4 site(s)

Representative sites: 26105, 26551, 26617, 26810.

Stratum: T1

Height avg. = 17.5m, range 13-22m, 4 sites

Crown cover avg. = 37.5%, range 33.7-40.2%, 4 sites

Stem density/ha avg. = 160, range 140-180, 3 sites

Dominant species (relative cover, frequency): Eucalyptus granitica (100, 25%), Eucalyptus crebra (77, 75%), Corymbia erythrophloia (35, 25%), Eucalyptus drepanophylla (31, 25%), Corymbia dallachiana (2, 50%)

Frequent species (cover, frequency): Eucalyptus crebra (29, 75%), Corymbia clarksoniana (50%), Corymbia dallachiana (1, 50%), Corymbia erythrophloia (16, 25%), Eucalyptus drepanophylla (14, 25%), Eucalyptus granitica (38, 25%)

Stratum: T2

Height avg. = 7.5m, range 6-8m, 4 sites

Crown cover avg. = 0.9%, range 0.0-2.9%, 4 sites

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

Dominant species (relative cover, frequency): Eucalyptus granitica (100, 25%), Corymbia clarksoniana (100, 25%), Bursaria incana (58, 25%), Lantana camara var. camara (50, 25%), Eucalyptus crebra (50, 25%)

Frequent species (cover, frequency): Acacia hemignosta (2, 25%), Bursaria incana (2, 25%), Corymbia clarksoniana (1, 25%), Eucalyptus crebra (25%), Eucalyptus granitica (1, 25%), Lantana camara var. camara (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. = 1.3m, range 0.6-2m, 2 sites

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

Stem density/ha avg. = 130, range 40-220, 2 sites

Dominant species (relative cover, frequency): *Maytenus cunninghamii* (68, 25%), *Lantana camara var. camara* (50, 25%), *Corymbia clarksoniana* (50, 25%), *Eucalyptus drepanophylla* (6, 25%), *Eucalyptus crebra* (6, 25%)

Frequent species (cover, frequency): *Acacia hemignosta* (25%), *Bursaria incana* (25%), *Corymbia clarksoniana* (25%), *Corymbia erythrophloia* (25%), *Eucalyptus crebra* (25%), *Eucalyptus drepanophylla* (25%), *Lantana camara var. camara* (25%), *Maytenus cunninghamii* (25%)

Stratum: G

Height avg. = 0.5m, range 0.15-0.7m, 4 sites

PFC avg. = 61.8%, range 40-86%, 4 sites

Dominant species (relative cover, frequency): *Themeda triandra* (45, 75%), *Eragrostis cumingii* (22, 25%), *Heteropogon contortus* (22, 75%), *Aristida calycina* (17, 25%), *Eremochloa bimaculata* (14, 50%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Chrysopogon fallax* (6, 75%), *Heteropogon contortus* (13, 75%), *Themeda triandra* (34, 75%), *Digitaria longiflora* (1, 50%), *Eremochloa bimaculata* (5, 50%), *Fimbristylis dichotoma* (1, 50%), *Paspalidium distans* (50%), *Abildgaardia vaginata* (3, 25%), *Alloteropsis semialata* (25%), *Aristida calycina* (15, 25%), *Aristida calycina var. calycina* (3, 25%), *Aristida warburgii* (25%), *Bothriochloa decipiens var. cloncurrrensii* (5, 25%), *Cymbopogon refractus* (25%), *Cynodon dactylon var. dactylon** (25%), *Cyperus brevifolius** (25%), *Cyperus cyperoides* (25%), *Cyperus fulvus* (25%), *Cyperus polystachyos* (25%), *Dichanthium indet.* (6, 25%), *Digitaria didactyla** (5, 25%), *Eragrostis cumingii* (8, 25%), *Eragrostis indet.* (5, 25%), *Eragrostis sororia* (25%), *Eragrostis spartinoides* (25%), *Eriochloa pseudoacrotricha* (25%), *Fimbristylis depauperata* (25%), *Heteropogon triticeus* (2, 25%), *Panicum effusum var. effusum* (25%), *Sarga plumosum* (25%), *Sporobolus elongatus* (25%), *Sporobolus jacquemontii** (25%), *Sporobolus laxus* (25%)

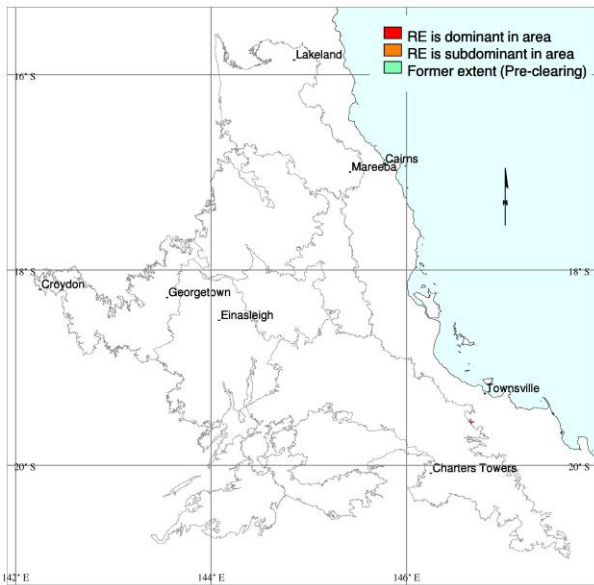
FORBS: *Phyllanthus virgatus* (75%), *Chrysocephalum apiculatum* (50%), *Crotalaria montana* (50%), *Cyanthillium cinereum* (50%), *Emilia sonchifolia var. javanica** (50%), *Galactia tenuiflora var. lucida* (50%), *Grewia retusifolia* (50%), *Murdannia graminea* (50%), *Stylidium eriorhizum* (50%), *Wahlenbergia gracilis* (50%), *Wedelia spilanthisoides* (50%), *Alysicarpus bupleurifolius** (25%), *Alysicarpus vaginalis** (25%), *Breynia oblongifolia* (25%), *Breynia oblongifolia var. oblongifolia* (25%), *Brunoniella australis* (25%), *Cajanus marmoratus* (25%), *Centipeda minima* (25%), *Chamaecrista nomame* (25%), *Chamaecrista rotundifolia var. rotundifolia** (2, 25%), *Cheilanthes brownii* (25%), *Cheilanthes tenuifolia* (25%), *Commelina lanceolata* (25%), *Conyza sumatrensis** (25%), *Crotalaria brevis* (25%), *Crotalaria goreensis** (25%), *Crotalaria lanceolata subsp. lanceolata** (25%), *Crotalaria medicaginea* (25%), *Desmodium gangeticum* (25%), *Desmodium rhytidophyllum* (25%), *Desmodium triflorum** (2, 25%), *Desmodium varians* (3, 25%), *Dianella longifolia var. longifolia* (25%), *Epaltes australis* (25%), *Eustrephus latifolius* (25%), *Evolvulus alsinoides* (25%), *Galactia tenuiflora* (1, 25%), *Galactia tenuiflora forma sericea* (25%), *Glycine tabacina* (25%), *Glycine tomentella* (2, 25%), *Hybanthus enneaspermus* (25%), *Hybanthus stellarioides* (25%), *Hypericum gramineum* (25%), *Indigofera linnaei* (25%), *Indigofera trifoliata* (25%), *Lantana camara** (25%), *Lobelia purpurascens* (25%), *Lomandra confertifolia subsp. pallida* (25%), *Lomandra longifolia* (25%), *Mecardonia procumbens** (25%), *Mitracarpus hirtus** (25%), *Peripleura hispidula var. hispidula* (25%), *Pterocaulon redolens* (25%), *Rhynchosia minima* (25%), *Rhynchosia minima var. minima* (25%), *Richardia brasiliensis** (1, 25%), *Rostellularia adscendens var. adscendens* (25%), *Rostellularia adscendens var. juncea* (25%), *Sida rhombifolia** (25%), *Spermacoce brachystema* (25%), *Spermacoce multicaulis* (25%), *Stylosanthes humilis** (25%), *Stylosanthes scabra** (25%), *Tephrosia filipes* (2, 25%), *Thecanthes cornucopiae* (25%), *Uraria picta* (25%), *Urena lobata** (25%), *Zornia dyctiocarpa* (25%), *Zornia dyctiocarpa var. dyctiocarpa* (25%), *Zornia filifolia* (25%), *Zornia muelleriana* (25%), *Zornia muelleriana subsp. muelleriana* (1, 25%), *Zornia muriculata* (25%), *Zornia muriculata subsp. angustata* (25%), *Zornia muriculata subsp. muriculata* (25%), *Zornia stirlingii* (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 paedoglauca +/- Corymbia erythrophloia woodland on igneous hills



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 1,041 1,041 100%

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

Basal area: Avg./site: 4.0 m²/ha, range: 4.0 - 4 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 100%, 1 site(s)

Representative sites: 26547.

Stratum: T1

Height avg. = 15.0m, 1 site

Crown cover avg. = 38.0%, 1 site

Dominant species (relative cover, frequency): Eucalyptus paedoglauca (81, 100%), Corymbia erythrophloia (18, 100%), Corymbia clarksoniana (1, 100%)

Frequent species (cover, frequency): Corymbia clarksoniana (100%), Corymbia erythrophloia (6, 100%), Eucalyptus paedoglauca (27, 100%)

Stratum: T2

Height avg. = 4.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Dominant species (relative cover, frequency): Planchonia careya (100, 100%)

Frequent species (cover, frequency): Planchonia careya (100%)

Stratum: S1

Height avg. = 1.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Dominant species (relative cover, frequency): Crotalaria medicaginea (97, 100%), Sida hackettiana (3, 100%)

Frequent species (cover, frequency): Crotalaria medicaginea (1, 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

Stratum: G

Height avg. = 0.6m, 1 site

PFC avg. = 88.0%, 1 site

Dominant species (relative cover, frequency): Heteropogon contortus (57, 100%), Themeda triandra (28, 100%), Heteropogon triticeus (11, 100%), Mnesithea rottboellioides (3, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (50, 100%), Heteropogon triticeus (10, 100%), Mnesithea rottboellioides (3, 100%), Themeda triandra (25, 100%)

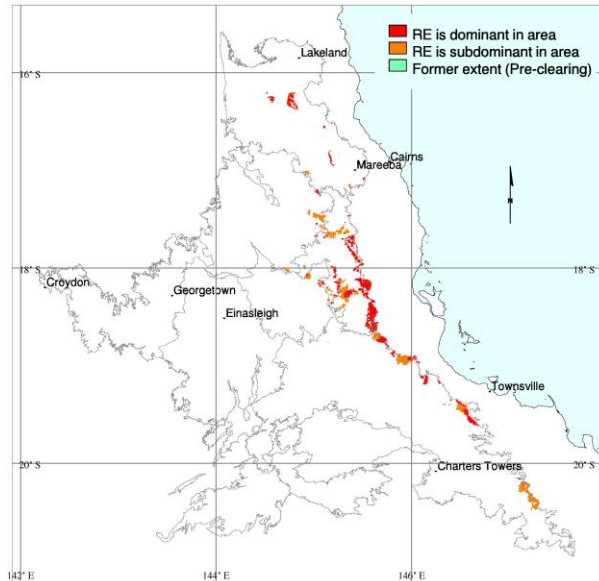
FORBS:

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 portuensis, Corymbia citriodora, E. granitica or E. crebra, C. intermedia or C. clarksoniana mixed woodland on steep hills and ranges on igneous hills close to Wet Tropics boundary



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 116,817 115,216 99%

Species recorded: Total: 195; woody: 55; ground: 151; Avg. spp./site: 30.1; std dev.: 11.2, 10 site(s)

Basal area: Avg./site: 8.2 m²/ha, range: 3.0 - 16 m²/ha, std. deviation: 4 m²/ha, 11 site(s)

Structural formation: Woodland: 55%; open-forest: 36%; open-woodland: 9%, 11 site(s)

Representative sites: 26179, 26285, 26349, 26380, 26383, 26394, 26635, 26789, 26790, 27007, 39425.

Stratum: T1

Height avg. = 16.5m, range 9-22m, 11 sites
 Crown cover avg. = 43.3%, range 13.8-79.2%, 11 sites
 Stem density/ha avg. = 164, range 40-360, 10 sites

Dominant species (relative cover, frequency): Eucalyptus portuensis (45, 55%), Eucalyptus granitica (43, 45%), Corymbia citriodora (40, 45%), Corymbia intermedia (28, 36%), Eucalyptus tereticornis (3, 27%)

Frequent species (cover, frequency): Eucalyptus portuensis (27, 55%), Corymbia citriodora (20, 45%), Eucalyptus granitica (7, 45%), Corymbia intermedia (11, 36%), Eucalyptus tereticornis (2, 27%), Corymbia ellipsoidea (11, 9%), Corymbia erythrophloia (9%), Corymbia peltata (1, 9%), Corymbia trachyphloia (16, 9%), Eucalyptus cloeziana (40, 9%), Eucalyptus cullenii (9%), Eucalyptus exserta (29, 9%), Eucalyptus moluccana (7, 9%), Lophostemon grandiflorus (9%)

Stratum: T2

Height avg. = 9.1m, range 4-16m, 10 sites
 Crown cover avg. = 8.5%, range 0.0-24.7%, 10 sites
 Stem density/ha avg. = 267, range 60-640, 9 sites

Dominant species (relative cover, frequency): Eucalyptus portuensis (60, 27%), Eucalyptus granitica (20, 27%), Corymbia citriodora (1, 27%)

Frequent species (cover, frequency): Corymbia citriodora (27%), Eucalyptus granitica (27%), Eucalyptus portuensis (4, 27%), Corymbia leichhardtii (8, 18%), Grevillea glauca (18%), Lophostemon suaveolens (18%), Melaleuca viridiflora (11, 18%), Acacia aulacocarpa (9%), Brachychiton indet. (9%), Corymbia clarksoniana (18, 9%), Corymbia ellipsoidea (9%), Corymbia intermedia (3, 9%), Corymbia peltata (9%), Corymbia trachyphloia (2, 9%), Dendrobium canaliculatum (9%), Erythrina vespertilio (9%), Eucalyptus cloeziana (9%), Eucalyptus crebra (9%), Eucalyptus cullenii (9%), Eucalyptus exserta (9%), Eucalyptus platyphylla (9%), Grevillea parallela (1, 9%), Lophostemon grandiflorus (9%), Orchidaceae indet. (9%), Petalostigma pubescens (1, 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. = 2.4m, range 0.9-4m, 10 sites

Crown cover avg. = 10.2%, range 0.0-46.5%, 10 sites

Stem density/ha avg. = 965, range 40-2520, 8 sites

Dominant species (relative cover, frequency): Xanthorrhoea johnsonii (31, 45%), Petalostigma pubescens (16, 27%), Grevillea glauca (11, 36%), Eucalyptus portuensis (9, 27%), Acacia indet. (6, 27%)

Frequent species (cover, frequency): Xanthorrhoea johnsonii (1, 45%), Grevillea glauca (36%), Acacia flavescens (1, 27%), Acacia indet. (27%), Eucalyptus portuensis (1, 27%), Persoonia falcata (27%), Petalostigma pubescens (27%), Acacia calyculata (11, 18%), Lophostemon suaveolens (18%), Pogonolobus reticulatus (18%), Acacia aulacocarpa (9%), Acacia dietrichiana (9%), Acacia disparrima (9%), Acacia falciformis (2, 9%), Acacia leptoloba (9%), Acacia leptostachya (6, 9%), Alphitonia pomaderroides (9%), Brachychiton indet. (9%), Bursaria incana (9%), Capparis lasiantha (9%), Casuarina indet. (9%), Corymbia citriodora (9%), Corymbia clarksoniana (9%), Corymbia intermedia (9%), Corymbia leichhardtii (1, 9%), Corymbia trachyphloia (4, 9%), Erythrina vespertilio (9%), Eucalyptus cloeziana (1, 9%), Eucalyptus crebra (9%), Eucalyptus cullenii (9%), Eucalyptus granitica (9%), Ficus indet. (9%), Ficus opposita (9%), Grevillea dryandri (9%), Grevillea mimosoides (9%), Grevillea parallela (1, 9%), Jacksonia indet. (22, 9%), Lophostemon confertus (6, 9%), Lophostemon grandiflorus (1, 9%), Maytenus disperma (9%), Melaleuca nervosa (9%), Melaleuca viridiflora (9%), Melaleuca viridiflora var. viridiflora (9%), Planchonia careya (9%), Terminalia oblongata subsp. volucris (9%)

Stratum: S2

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

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

Stem density/ha avg. = 230, range 100-360, 2 sites

Frequent species (cover, frequency): Grevillea glauca (18%), Acacia aulacocarpa (9%), Acacia flavescens (9%), Corymbia citriodora (9%), Corymbia leichhardtii (9%), Dodonaea indet. (9%), Lophostemon suaveolens (9%), Persoonia falcata (9%), Petalostigma pubescens (9%), Pogonolobus reticulatus (9%), Xanthorrhoea johnsonii (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. = 0.5m, range 0.3-0.8m, 10 sites

PFC avg. = 62.3%, range 20-98%, 10 sites

Dominant species (relative cover, frequency): Themeda triandra (47, 91%), Heteropogon contortus (24, 27%), Xanthorrhoea johnsonii (12, 36%), Schizachyrium indet. (8, 27%), Mnesithea rottboellioides (5, 27%)

Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (34, 91%), Heteropogon triticeus (4, 64%), Panicum indet. (45%), Chrysopogon fallax (4, 36%), Eragrostis brownii (1, 27%), Heteropogon contortus (17, 27%), Melinis repens (1, 27%), Mnesithea rottboellioides (2, 27%), Schizachyrium indet. (4, 27%), Scleria indet. (2, 27%), Aristida indet. (8, 18%), Arundinella setosa (1, 18%), Capillipedium indet. (1, 18%), Cyperus brevifolius* (1, 18%), Imperata cylindrica (2, 18%), Scleria brownii (18%), Scleria tricuspida (18%), Sporobolus jacquemontii* (18%), Alloteropsis semialata (9%), Aristida calycina (9%), Aristida schultzei (9%), Cleistochloa subjuncea (1, 9%), Cyperus aquatilis (9%), Cyperus cyperoides (1, 9%), Cyperus flaccidus (9%), Cyperus fulvus (9%), Cyperus nervulosus (9%), Cyperus polystachyos (9%), Cyperus sesquiflorus* (9%), Cyperus tenuiculmis (9%), Cyperus zollingeri (9%), Digitaria indet. (9%), Entolasia stricta (9%), Fimbristylis depauperata (9%), Fimbristylis dichotoma (9%), Fimbristylis indet. (2, 9%), Fimbristylis oxystachya (9%), Fimbristylis squarrosula (1, 9%), Leptochloa indet. (9%), Paspalidium distans (9%), Paspalum conjugatum* (9%), Paspalum scrobiculatum (9%), Perotis rara (9%), Plectrachne indet. (9%), Sacciolepis indica (9%), Sarga plumosum (9%), Scleria sphacelata (1, 9%), Sporobolus laxus (9%)*

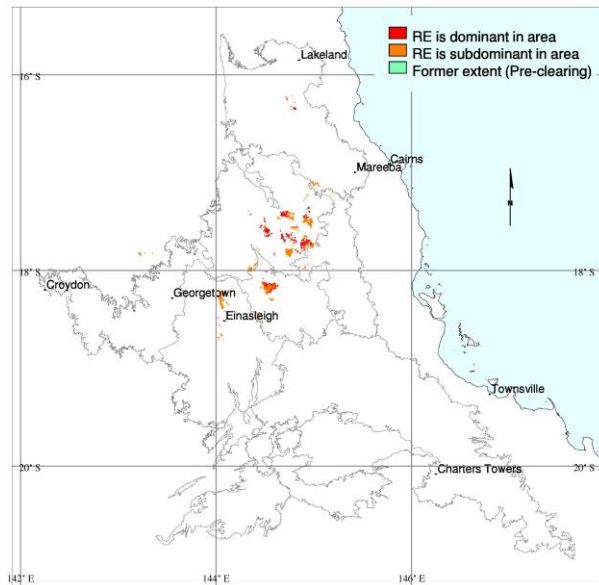
FORBS: Chamaecrista mimosoides (36%), Desmodium rhytidophyllum (36%), Flemingia parviflora (1, 36%), Xanthorrhoea johnsonii (3, 36%), Crotalaria montana (27%), Cyanthillium cinereum (27%), Acacia flavescens (18%), Asteraceae indet. (18%), Brunoniella australis (18%), Glycine indet. (18%), Grewia retusifolia (18%), Lomandra filiformis (18%), Lomandra indet. (4, 18%), Lomandra longifolia (18%), Lomandra multiflora subsp. multiflora (18%), Phyllanthus virgatus (18%), Spermaceae indet. (2, 18%), Stylidium eriorhizum (18%), Stylosanthes scabra (2, 18%), Tephrosia filipes (4, 18%), Wahlenbergia caryophylloides (18%), Wahlenbergia indet. (1, 18%), Wedelia spilanthis (18%), Zornia muriculata subsp. muriculata (18%), Acacia calyculata (1, 9%), Acacia falciformis (9%), Ageratum houstonianum* (9%), Alphitonia pomaderroides (9%), Anisomeles indet. (9%), Buchnera linearis (9%), Cajanus marmoratus (9%), Caladenia carnea (9%), Capparis lasiantha (9%), Chamaecrista rotundifolia var. rotundifolia* (9%), Cheilanthes sieberi subsp. sieberi (9%), Cheilanthes tenuifolia (9%), Chrysocephalum apiculatum (9%), Commelina lanceolata (9%), Crotalaria indet. (9%), Crotalaria lanceolata subsp. lanceolata* (9%), Desmodium heterocarpon var. heterocarpon (4, 9%), Desmodium indet. (9%), Dianella caerulea (9%), Dianella indet. (9%), Dianella rara (1, 9%), Emilia sonchifolia var. javanica* (9%), Fabaceae indet. (9%), Galactia tenuiflora (1, 9%), Glycine clandestina (9%), Grewia latifolia (9%), Helichrysum newcastlianum (9%), Helichrysum rupicola (9%), Heliotropium indet. (9%), Hybanthus indet. (9%), Hypericum gramineum (9%), Hyptis suaveolens* (9%), Indigofera linnaei (4, 9%), Ipomoea indet. (9%), Isotropis filicaulis (9%), Jacksonia thesioides (4, 9%), Knoxia sumatrensis (9%), Lobelia membranacea (9%), Lomandra multiflora (9%), Lophostemon suaveolens (9%), Ludwigia octovalvis (9%), Melaleuca viridiflora var. viridiflora (9%), Mitrasacme connata (9%), Mitrasacme pygmaea (9%), Neptunia indet. (9%), Ocimum indet. (9%), Peripleura diffusa (9%), Persoonia falcata (9%), Phyllanthus fuernrohrii (2, 9%), Phyllanthus indet. (9%), Platostoma longicorne (9%), Pogonolobus reticulatus (9%), Poranthera indet. (9%), Poranthera microphylla (9%), Pratia concolor (9%), Praxelis clematidea* (1, 9%), Pterocaulon indet. (9%), Pterocaulon redolens (9%), Pultenaea petiolaris (9%), Pultenaea spinosa (2, 9%), Pycnospora lutescens (3, 9%), Rhynchosia minima (2, 9%), Rostellularia adscendens (9%), Rostellularia adscendens var. hispida (9%), Rotala tripartita (9%), Ruellia tuberosa* (1, 9%), Sauropus ramosissimus (9%), Sonchus indet. (2, 9%), Spermaceae brachystema (9%), Stephania japonica (9%), Stylosanthes hamata* (14, 9%), Stylosanthes indet. (6, 9%), Tephrosia indet. (1, 9%), Tephrosia juncea (9%), Velleia spathulata (11, 9%), Vernonia indet. (9%), Zornia muelleriana subsp. muelleriana (9%), Zornia muriculata (9%), Zornia muriculata subsp. angustata (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 chartaboma +/- Eucalyptus spp. +/- Corymbia spp. woodland on sandy soils on igneous rocks



G. W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 30,641 29,703 97%

Species recorded: Total: 74; woody: 30; ground: 49; Avg. spp./site: 26.0; std dev.: 3.4, 4 site(s)

Basal area: Avg./site: 9.3 m²/ha, range: 8.0 - 11 m²/ha, std. deviation: 1 m²/ha, 3 site(s)

Structural formation: Woodland: 75%; open-forest: 25%, 4 site(s)

Representative sites: 25924, 26031, 26070, 27008.

Stratum: T1

Height avg. = 15.5m, range 13-18m, 4 sites

Crown cover avg. = 43.1%, range 15.9-72.0%, 4 sites

Stem density/ha avg. = 160, range 40-280, 4 sites

Dominant species (relative cover, frequency): Corymbia clarksoniana (80, 25%), Eucalyptus chartaboma (54, 100%), Eucalyptus crebra (43, 25%), Corymbia erythrophloia (29, 50%)

Frequent species (cover, frequency): Eucalyptus chartaboma (17, 100%), Corymbia erythrophloia (11, 50%), Corymbia clarksoniana (54, 25%), Erythrophleum chlorostachys (25%), Eucalyptus crebra (11, 25%), Eucalyptus granitica (25%)

Stratum: T2

Height avg. = 6.8m, range 5-8m, 4 sites

Crown cover avg. = 3.8%, range 0.0-6.1%, 4 sites

Stem density/ha avg. = 90, range 60-100, 4 sites

Dominant species (relative cover, frequency): Corymbia clarksoniana (81, 25%), Corymbia erythrophloia (66, 50%), Corymbia indet. (36, 25%), Erythrophleum chlorostachys (33, 25%), Eucalyptus chartaboma (28, 75%)

Frequent species (cover, frequency): Eucalyptus chartaboma (1, 75%), Corymbia erythrophloia (1, 50%), Grevillea glauca (50%), Corymbia clarksoniana (4, 25%), Corymbia indet. (2, 25%), Erythrophleum chlorostachys (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. = 1.4m, range 0.7-2m, 4 sites

Crown cover avg. = 5.2%, range 0.0-11.8%, 4 sites

Stem density/ha avg. = 920, range 240-1880, 4 sites

Dominant species (relative cover, frequency): *Grevillea parallela* (27, 100%), *Grevillea glauca* (27, 75%), *Planchonia careya* (23, 50%), *Alphitonia pomaderroides* (21, 50%), *Eucalyptus chartaboma* (16, 100%)

Frequent species (cover, frequency): *Eucalyptus chartaboma* (100%), *Grevillea parallela* (2, 100%), *Persoonia falcata* (100%), *Grevillea glauca* (1, 75%), *Alphitonia pomaderroides* (1, 50%), *Corymbia erythrophloia* (50%), *Erythrophleum chlorostachys* (50%), *Planchonia careya* (50%), *Breynia oblongifolia* (25%), *Bursaria incana* (25%), *Capparis* *indet.* (25%), *Corymbia clarksoniana* (25%), *Crotalaria verrucosa* (25%), *Dodonaea lanceolata* (25%), *Eucalyptus crebra* (25%), *Flemingia parviflora* (25%), *Grevillea mimosoides* (25%), *Grewia latifolia* (25%), *Grewia retusifolia* (25%), *Indigofera* *indet.* (25%), *Maytenus disperma* (25%), *Melaleuca nervosa* (25%), *Melaleuca viridiflora* (25%), *Petalostigma pubescens* (25%), *Santalum lanceolatum* (25%), *Trichodesma zeylanicum* (25%), *Ventilago viminalis* (25%), *Xylomelum scottianum* (25%)

Stratum: G

Height avg. = 0.5m, range 0.4-0.7m, 4 sites

PFC avg. = 44.8%, range 21-75%, 4 sites

Dominant species (relative cover, frequency): *Schizachyrium fragile* (43, 25%), *Themeda triandra* (42, 75%), *Panicum mindanaense* (19, 25%), *Heteropogon triticeus* (15, 75%), *Sarga plumosum* (10, 50%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon triticeus* (7, 75%), *Themeda triandra* (24, 75%), *Aristida ingrata* (1, 50%), *Heteropogon contortus* (2, 50%), *Melinis repens** (50%), *Mnesithea rottboellioides* (3, 50%), *Sarga plumosum* (8, 50%), *Aristida calycina* (25%), *Aristida* *indet.* (2, 25%), *Arundinella nepalensis* (25%), *Capillipedium parviflorum* (25%), *Cyperus* *indet.* (25%), *Dichanthium* *indet.* (25%), *Panicum* *indet.* (25%), *Panicum mindanaense* (7, 25%), *Schizachyrium fragile* (16, 25%), *Schizachyrium* *indet.* (25%), *Scleria brownii* (25%), *Scleria* *indet.* (2, 25%), *Setaria surgens* (1, 25%), *Sorghum* *indet.* (2, 25%), *Sorghum x almum** (25%), *Thaumastochloa major* (2, 25%)

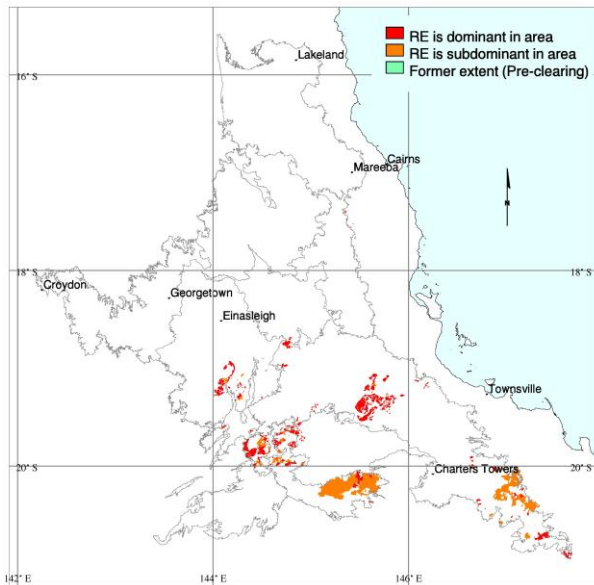
FORBS: *Crotalaria goreensis** (50%), *Crotalaria montana* (50%), *Cyanthillium cinereum* (50%), *Alphitonia pomaderroides* (1, 25%), *Alysicarpus ovalifolius** (25%), *Anisomeles malabarica* (25%), *Buchnera* *indet.* (25%), *Chamaecrista concinna* (25%), *Corymbia dallachiana* (25%), *Desmodium rhytidophyllum* (25%), *Fabaceae* *indet.* (1, 25%), *Flemingia parviflora* (25%), *Galactia tenuiflora* (25%), *Glycine tomentella* (25%), *Lomandra* *indet.* (25%), *Lomandra longifolia* (25%), *Malvastrum* *indet.* (25%), *Mitracarpus hirtus** (1, 25%), *Mitrasacme connata* (25%), *Peripleura hispidula* (25%), *Petalostigma pubescens* (25%), *Pterocaulon sphacelatum* (25%), *Rostellularia adscendens* *subsp. adscendens* (25%), *Sauropus elachophyllum* (25%), *Stylosanthes* *indet.* (1, 25%), *Xyris complanata* (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 shirleyi or E. melanophloia and Corymbia peltata low woodland on granitic or rhyolitic rolling low hills to hills



C. Kahler

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 167,332 166,543 100%

Species recorded: Total: 226; woody: 59; ground: 174; Avg. spp./site: 33.0; std dev.: 10.1, 10 site(s)

Basal area: Avg./site: 3.5 m²/ha, range: 1.9 - 6 m²/ha, std. deviation: 1 m²/ha, 11 site(s)

Structural formation: Low woodland: 42%; low open-woodland: 25%; woodland: 17%; open-woodland: 8%; low open-forest: 8%, 12 site(s)

Representative sites: 25562, 26005, 26114, 26140, 26194, 26393, 26883, 26885, 26892, 26893, 27094, 27109.

Stratum: E

Height avg. = 13.7m, range 12-15m, 3 sites

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

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): Corymbia dallachiana (64, 25%)

Frequent species (cover, frequency): Corymbia dallachiana (25%), Corymbia indet. (8%), Corymbia peltata (8%), Eucalyptus crebra (8%)

Stratum: T1

Height avg. = 8.1m, range 5-16m, 12 sites

Crown cover avg. = 26.3%, range 0.6-63.1%, 12 sites

Stem density/ha avg. = 315, range 120-760, 8 sites

Dominant species (relative cover, frequency): Eucalyptus shirleyi (68, 67%), Corymbia peltata (49, 58%), Corymbia dallachiana (1, 25%)

Frequent species (cover, frequency): Eucalyptus shirleyi (20, 67%), Corymbia peltata (7, 58%), Corymbia dallachiana (25%), Corymbia lamprophylla (15, 17%), Eucalyptus crebra (1, 17%), Eucalyptus exserta (17%), Eucalyptus melanophloia (3, 17%), Petalostigma pubescens (17%), Acacia leptostachya (2, 8%), Acacia longispicata (2, 8%), Brachychiton diversifolius (13, 8%), Corymbia indet. (8%), Corymbia leichhardtii (6, 8%), Dendrobium canaliculatum (8%), Dolichandrone heterophylla (8%), Hakea lorea subsp. lorea (8%), Melaleuca nervosa (8%), Pogonolobus reticulatus (8%), Wrightia saligna (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: T2

Height avg. = 5.1m, range 2.5-8m, 6 sites

Crown cover avg. = 2.9%, range 0.0-6.1%, 6 sites

Stem density/ha avg. = 115, range 40-180, 4 sites

Dominant species (relative cover, frequency): Eucalyptus shirleyi (82, 25%), Alphitonia excelsa (1, 25%)

Frequent species (cover, frequency): Alphitonia excelsa (25%), Eucalyptus shirleyi (3, 25%), Corymbia lamprophylla (17%), Petalostigma pubescens (1, 17%), Psydrax attenuata (1, 17%), Acacia julifera (8%), Alphitonia pomaderroides (8%), Brachychiton diversifolius (2, 8%), Cochlospermum gillivraei (8%), Corymbia leichhardtii (8%), Eucalyptus crebra (8%), Eucalyptus melanophloia (8%), Larsenaikia ochreatea (8%), Maytenus cunninghamii (8%), Melaleuca viridiflora (8%), Persoonia falcata (8%), Psydrax johnsonii (8%)

Stratum: S1

Height avg. = 2.4m, range 1-6m, 11 sites

Crown cover avg. = 5.6%, range 0.0-15.9%, 11 sites

Stem density/ha avg. = 474, range 100-1200, 7 sites

Dominant species (relative cover, frequency): Petalostigma pubescens (28, 25%), Alphitonia excelsa (16, 25%), Persoonia falcata (11, 25%), Maytenus cunninghamii (6, 25%), Bursaria incana (5, 33%)

Frequent species (cover, frequency): Bursaria incana (33%), Eucalyptus shirleyi (33%), Alphitonia excelsa (1, 25%), Maytenus cunninghamii (25%), Persoonia falcata (25%), Petalostigma pubescens (25%), Acacia galioides (17%), Acacia indet. (17%), Acacia leptostachya (5, 17%), Alphitonia pomaderroides (17%), Cochlospermum gillivraei (17%), Eucalyptus melanophloia (17%), Larsenaikia ochreatea (4, 17%), Xanthorrhoea johnsonii (8, 17%), Acacia calyculata (8%), Acacia cowleana (8%), Acacia julifera (8%), Acacia longispicata (8%), Acacia nesophila (8%), Antidesma parvifolium (8%), Atalaya hemiglaucula (8%), Brachychiton diversifolius (8%), Brachychiton diversifolius subsp. orientalis (8%), Breynia oblongifolia (8%), Cajanus acutifolius (8%), Capparis nummularia (8%), Carissa ovata (8%), Clerodendrum indet. (8%), Corymbia dallachiana (8%), Corymbia peltata (8%), Distichostemon dodecandrus (8%), Dodonaea lanceolata (4, 8%), Dolichandrone heterophylla (8%), Erythroxylum australe (8%), Eucalyptus crebra (8%), Eustrephus latifolius (8%), Ficus obliqua (8%), Grevillea glauca (8%), Hakea lorea subsp. lorea (8%), Indigofera brevidens var. brevidens (8%), Indigofera pratensis (3, 8%), Maytenus disperma (8%), Pavetta granitica (8%), Petalostigma banksii (1, 8%), Pimelea indet. (2, 8%), Platysace valida (8%), Psydrax attenuata (8%), Psydrax johnsonii (3, 8%), Santalum lanceolatum (8%), Trema tomentosa (8%), Wrightia saligna (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: G

Height avg. = 0.6m, range 0.3-1m, 10 sites

PFC avg. = 53.4%, range 15-99%, 10 sites

Dominant species (relative cover, frequency): Themeda triandra (36, 50%), Heteropogon contortus (25, 58%), Chrysopogon fallax (20, 25%), Schizachyrium fragile (14, 42%), Heteropogon triticeus (4, 42%)

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (12, 58%), Melinis repens (2, 58%), Themeda triandra (28, 50%), Heteropogon triticeus (2, 42%), Schizachyrium fragile (9, 42%), Arundinella setosa (25%), Chrysopogon fallax (8, 25%), Enneapogon lindleyanus (25%), Scleria brownii (25%), Setaria surgens (25%), Urochloa holosericea (25%), Capillipedium parviflorum (17%), Eragrostis indet. (3, 17%), Eriachne ciliata (1, 17%), Fimbristylis dichotoma (2, 17%), Paspalidium gracile (4, 17%), Sarga plumosum (8, 17%), Tripogon loliformis (17%), Abildgaardia vaginata (2, 8%), Alloteropsis cimicina (8%), Aristida acuta (8%), Aristida calycina (8%), Aristida calycina var. praealta (1, 8%), Aristida exserta (2, 8%), Aristida holathera var. holathera (1, 8%), Aristida indet. (8%), Aristida perniciosa (8%), Arundinella nepalensis (8%), Bothriochloa bladhii (8%), Bothriochloa decipiens (5, 8%), Chrysopogon indet. (8%), Cleistochloa subjuncea (8%), Cymbopogon ambiguus (8%), Cymbopogon bombycinus (8%), Cymbopogon indet. (20, 8%), Cyperus indet. (8%), Cyperus rigidellus (8%), Dichanthium indet. (9, 8%), Dichanthium sericeum (8%), Digitaria brownii (8%), Digitaria indet. (8%), Digitaria nematostachya (8%), Digitaria ramularis (3, 8%), Digitaria sp. (Mt Mulligan J.R. Clarkson 5821) (1, 8%), Enneapogon indet. (8%), Enneapogon polyphyllus (8%), Eragrostis pubescens (4, 8%), Eremochloa bimaculata (20, 8%), Eriachne mucronata (15, 8%), Eriachne rara (8%), Mnesithea formosa (8%), Panicum effusum var. effusum (8%), Panicum indet. (8%), Panicum mitchellii (8%), Perotis rara (8%), Poaceae indet. (12, 8%), Thaumastochloa pubescens (1, 8%), Tragus australianus (8%), Triodia bitextura (1, 8%), Triodia pungens (5, 8%), Urochloa holosericea subsp. holosericea (8%)*

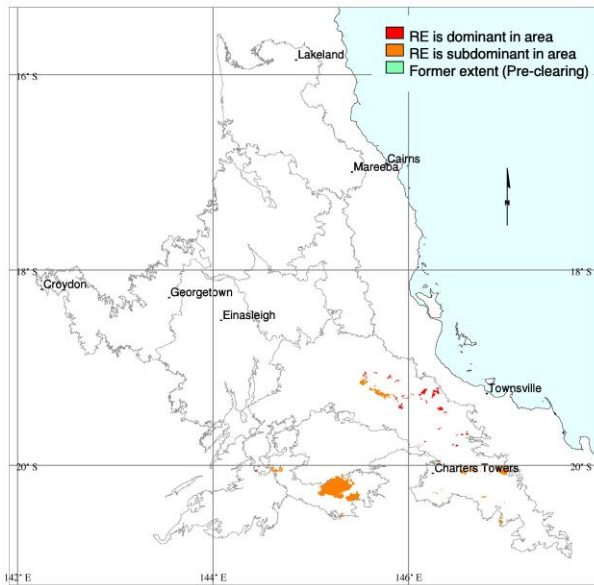
FORBS: Tephrosia filipes (58%), Cheilanthes indet. (50%), Cyanthillium cinereum (33%), Spermacoce brachystema (33%), Evolvulus alsinoides (25%), Chamaecrista indet. (17%), Desmodium rhytidophyllum (1, 17%), Dianella rara (17%), Glossocardia refracta (17%), Glycine cyrtoloba (17%), Grewia retusifolia (6, 17%), Heliotropium indet. (17%), Hibiscus meraukensis (17%), Hypericum gramineum (17%), Indigofera pratensis (1, 17%), Lomandra longifolia (1, 17%), Lomandra multiflora (17%), Phyllanthus indet. (17%), Polycarpha corymbosa (17%), Pycnospora lutescens (17%), Rostellularia adscendens (17%), Spermacoce indet. (17%), Tephrosia astragaloides (17%), Velleia spathulata (17%), Wahlenbergia caryophylloides (17%), Waltheria indica (17%), Wedelia spilanthis (17%), Zornia muriculata (17%), Acacia humifusa (10, 8%), Achyranthes aspera (8%), Aeschynomene brevifolia (8%), Alphonsea excelsa (8%), Alternanthera denticulata (8%), Angiosperm indet. (8%), Aristolochia pubera (8%), Bidens bipinnata (8%), Blumea saxatilis (8%), Breynia oblongifolia (8%), Brunoniella australis (8%), Capparis canescens (8%), Cassytha filiformis (2, 8%), Chamaecrista absus var. absus (8%), Chamaesyce indet. (8%), Cheilanthes distans (8%), Chrysocephalum apiculatum (8%), Chrysocephalum indet. (8%), Crotalaria brevis (8%), Crotalaria indet. (8%), Crotalaria medicaginea (8%), Desmodium varians (8%), Dianella indet. (8%), Emilia sonchifolia* (8%), Epaltes australis (8%), Eucalyptus shirleyi (2, 8%), Euphorbia tannensis subsp. eremophila (8%), Galactia indet. (8%), Galactia tenuiflora (1, 8%), Glycine clandestina (8%), Glycine tomentella (8%), Gonocarpus acanthocarpus (8%), Goodenia armitiana (8%), Goodenia indet. (8%), Hakea chordophylla (8%), Helichrysum rupicola (8%), Hybanthus enneaspermus (8%), Indigofera hirsuta (8%), Indigofera indet. (8%), Indigofera linifolia (8%), Indigofera linnaei (8%), Indigofera trita (8%), Indigofera tryonii (8%), Ipomoea indet. (8%), Ipomoea nil* (8%), Lomandra multiflora subsp. multiflora (8%), Malvastrum americanum var. americanum* (8%), Marsdenia micradenia (8%), Melhania oblongifolia (8%), Microstachys chamaelea (8%), Murdannia graminea (3, 8%), Oldenlandia mitrasacmoides (8%), Peripleura hispidula (8%), Peripleura hispidula var. hispidula (8%), Petalostigma banksii (8%), Phyllanthus carpentariae (8%), Phyllanthus fuernrohrii (8%), Phyllanthus virgatus (8%), Platysace valida (8%), Polygala longifolia (8%), Poranthera microphylla (8%), Pseuderanthemum variabile (8%), Pterocaulon indet. (8%), Rostellularia adscendens var. hispida (8%), Stylidium eriorhizum (1, 8%), Stylosanthes humilis* (8%), Tephrosia juncea (8%), Tephrosia purpurea var. sericea (8%), Thecanthes cornucopiae (8%), Trachymene bivestita var. bivestita (8%), Vigna vexillata (8%), Wahlenbergia indet. (1, 8%), Zornia dactiocarpa (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 shirleyi +/- Corymbia dallachiana low open-woodland on rolling low hills to hills



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 34,067 32,745 96%

Species recorded: Total: 68; woody: 35; ground: 35; Avg. spp./site: 19.0; std dev.: 0.8, 3 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%, 5 site(s)

Representative sites: 25565, 25578, 25580, 25843, 26538.

Stratum: T1

Height avg. = 6.6m, range 5-9m, 5 sites

Crown cover avg. = 9.4%, range 1.6-20.3%, 5 sites

Dominant species (relative cover, frequency): Eucalyptus shirleyi (97, 100%), Bursaria incana (2, 40%), Corymbia dallachiana (1, 60%)

Frequent species (cover, frequency): Eucalyptus shirleyi (9, 100%), Corymbia dallachiana (60%), Bursaria incana (40%), Corymbia erythrophloia (40%), Corymbia citriodora (20%), Corymbia peltata (20%), Cymbidium canaliculatum (20%), Eucalyptus crebra (20%), Eucalyptus xanthoclada (1, 20%), Grevillea parallela (20%), Lophostemon grandiflorus (20%), Melaleuca nervosa (20%), Petalostigma pubescens (20%)

Stratum: T2

Height avg. = 3.5m, range 3-4m, 2 sites

Crown cover avg. = 3.3%, range 0.6-6.1%, 2 sites

Dominant species (relative cover, frequency): Alphitonia excelsa (39, 40%), Bursaria incana (17, 40%)

Frequent species (cover, frequency): Alphitonia excelsa (40%), Bursaria incana (40%), Acacia bidwillii (20%), Diospyros geminata (20%), Euroschinus falcatus var. falcatus (20%), Geijera salicifolia (20%), Petalostigma pubescens (1, 20%), Pleiogynium timorense (20%), Psydrax attenuata (20%), Santalum lanceolatum (20%), Ziziphus mauritiana (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. = 2.0m, range 1-3m, 5 sites

Crown cover avg. = 3.7%, range 0.6-15.9%, 5 sites

Dominant species (relative cover, frequency): *Carissa lanceolata* (62, 40%), *Maytenus disperma* (23, 40%), *Maytenus cunninghamii* (22, 80%)

Frequent species (cover, frequency): *Maytenus cunninghamii* (80%), *Carissa lanceolata* (3, 40%), *Maytenus disperma* (40%), *Acacia farnesiana** (20%), *Acacia indet.* (20%), *Acacia leptostachya* (20%), *Drypetes deplanchei* (20%), *Erythroxylum australe* (20%), *Geijera salicifolia* (20%), *Indigofera australis* (20%), *Lantana camara** (20%), *Persoonia falcata* (20%), *Pogonolobus reticulatus* (20%), *Waltheria indica* (20%)

Stratum: G

Height avg. = 0.5m, range 0.4-0.6m, 3 sites

PFC avg. = 20.0%, range 0-50%, 3 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (8, 60%), *Panicum effusum var. effusum* (6, 40%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (60%), *Panicum effusum var. effusum* (40%), *Aristida benthamii var. benthamii* (20%), *Aristida holathera var. holathera* (20%), *Aristida indet.* (20%), *Arundinella nepalensis* (20%), *Cymbopogon bombycinus* (20%), *Enneapogon indet.* (20%), *Eriachne mucronata* (20%), *Heteropogon triticeus* (20%), *Melinis repens** (20%), *Schizachyrium fragile* (5, 20%), *Thaumastochloa pubescens* (20%)

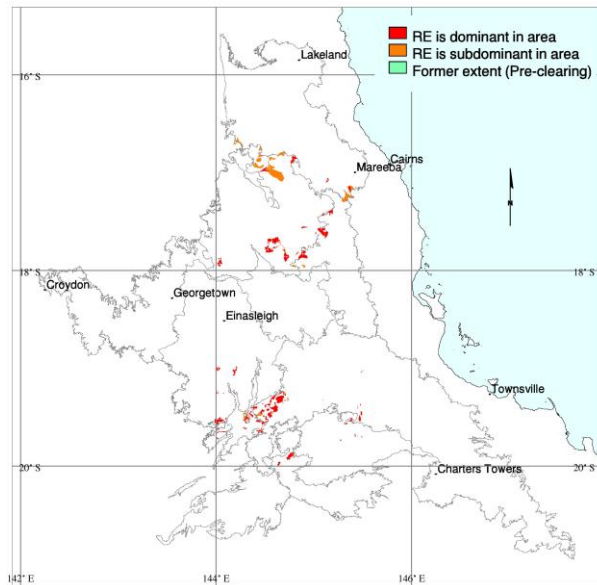
FORBS: *Buchnera linearis* (20%), *Dendrophthoe vitellina* (20%), *Epaltes australis* (20%), *Jasminum simplicifolium* (20%), *Lomandra longifolia* (20%), *Melhania oblongifolia* (20%), *Oldenlandia mitrasacmoides subsp. mitrasacmoides* (20%), *Polycarpaea corymbosa* (20%), *Pterocaulon sphacelatum* (20%), *Sida cordifolia** (20%), *Spermacoce brachystema* (20%), *Stylidium eriorhizum* (20%), *Viscum articulatum* (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 shirleyi and/or E. melanophloia and Callitris intratropica +/- Corymbia leichhardtii low woodland on rolling low hills to hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 66,260 65,802 99%

Species recorded: Total: 125; woody: 30; ground: 99; Avg. spp./site: 34.6; std dev.: 7.3, 5 site(s)

Basal area: Avg./site: 3.2 m²/ha, range: 1.8 - 7 m²/ha, std. deviation: 2 m²/ha, 5 site(s)

Structural formation: Low woodland: 60%; low open-forest: 40%, 5 site(s)

Representative sites: 26150, 26163, 26737, 26739, 26953.

Stratum: E

Height avg. = 15.0m, 1 site
 Crown cover avg. = 6.1%, 1 site
 Stem density/ha avg. = 20, 1 site

Frequent species (cover, frequency): Eucalyptus crebra (6, 20%)

Stratum: T1

Height avg. = 6.3m, range 5-8m, 5 sites
 Crown cover avg. = 32.2%, range 11.8-70.6%, 5 sites
 Stem density/ha avg. = 210, range 120-480, 4 sites

Dominant species (relative cover, frequency): Eucalyptus shirleyi (54, 80%), Callitris intratropica (29, 60%), Corymbia peltata (29, 40%)

Frequent species (cover, frequency): Eucalyptus shirleyi (10, 80%), Callitris intratropica (5, 60%), Corymbia peltata (10, 40%), Acacia bidwillii (1, 20%), Acacia julifera (20%), Acacia leptostachya (36, 20%), Acacia longispicata (12, 20%), Corymbia leichhardtii (2, 20%), Eucalyptus lockyeri (5, 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: T2

Height avg. = 3.7m, range 3-5m, 3 sites

Crown cover avg. = 7.6%, range 1.6-18.1%, 3 sites

Stem density/ha avg. = 373, range 180-740, 3 sites

Dominant species (relative cover, frequency): Eucalyptus shirleyi (9, 60%)

Frequent species (cover, frequency): Eucalyptus shirleyi (60%), Acacia bidwillii (1, 20%), Acacia julifera (20%), Acacia leptostachya (12, 20%), Acacia longispicata (20%), Alphitonia excelsa (20%), Alphitonia pomaderroides (20%), Callitris intratropica (20%), Dolichandrone heterophylla (20%), Erythroxylum ellipticum (20%), Eucalyptus lockyeri (20%), Maytenus disperma (20%), Melaleuca viridiflora (20%), Petalostigma pubescens (2, 20%)

Stratum: S1

Height avg. = 1.8m, range 1-3m, 5 sites

Crown cover avg. = 5.8%, range 0.0-27.0%, 5 sites

Stem density/ha avg. = 800, range 60-2200, 4 sites

Dominant species (relative cover, frequency): Xanthorrhoea johnsonii (44, 40%), Acacia umbellata (41, 40%), Eucalyptus shirleyi (13, 60%), Persoonia falcata (10, 40%), Maytenus cunninghamii (7, 40%)

Frequent species (cover, frequency): Eucalyptus shirleyi (60%), Acacia umbellata (40%), Breynia oblongifolia (40%), Maytenus cunninghamii (40%), Persoonia falcata (40%), Xanthorrhoea johnsonii (9, 40%), Acacia bidwillii (20%), Acacia julifera (2, 20%), Acacia leiocalyx (20%), Acacia leptostachya (20%), Acacia longispicata (20%), Antidesma parvifolium (20%), Callitris intratropica (20%), Capparis indet. (20%), Dodonaea lanceolata (20%), Dolichandrone heterophylla (20%), Erythroxylum ellipticum (20%), Gastrolobium grandiflorum (20%), Larsenaikia ochreatea (20%), Melaleuca viridiflora (1, 20%), Petalostigma banksii (3, 20%), Petalostigma pubescens (20%), Pogonolobus reticulatus (20%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.4m, 5 sites

PFC avg. = 51.6%, range 25-74%, 5 sites

Dominant species (relative cover, frequency): Themeda triandra (23, 40%), Schizachyrium indet. (19, 40%), Melinis repens (19, 60%), Scleria sphacelata (15, 40%), Eriachne obtusa (12, 40%)*

Frequent species (cover, frequency): GRAMINOIDS: Cymbopogon bombycinus (2, 60%), Heteropogon contortus (6, 60%), Melinis repens (6, 60%), Schizachyrium fragile (7, 60%), Aristida calycina (2, 40%), Aristida holathera (2, 40%), Aristida indet. (40%), Arundinella nepalensis (1, 40%), Eriachne ciliata (40%), Eriachne obtusa (4, 40%), Heteropogon triticeus (1, 40%), Panicum indet. (1, 40%), Poaceae indet. (40%), Schizachyrium indet. (14, 40%), Scleria sphacelata (4, 40%), Setaria surgens (40%), Themeda triandra (13, 40%), Aristida holathera var. holathera (20, 20%), Aristida queenslandica (20%), Aristida utilis var. utilis (20%), Aristida warburgii (3, 20%), Arundinella setosa (5, 20%), Digitaria ammophila (1, 20%), Eragrostis brownii (3, 20%), Eragrostis indet. (3, 20%), Eragrostis interrupta (20%), Eragrostis schultzei (2, 20%), Eriachne filiformis (20%), Eriachne indet. (20%), Fimbristylis cymosa (20%), Panicum effusum (5, 20%), Pseudopogonatherum irritans (1, 20%), Rhynchospora heterochaeta (20%), Rhynchospora indet. (20%), Rhynchospora subtenuifolia (8, 20%), Setaria pumila subsp. pallidifusca* (20%), Tripogon loliiformis (4, 20%)*

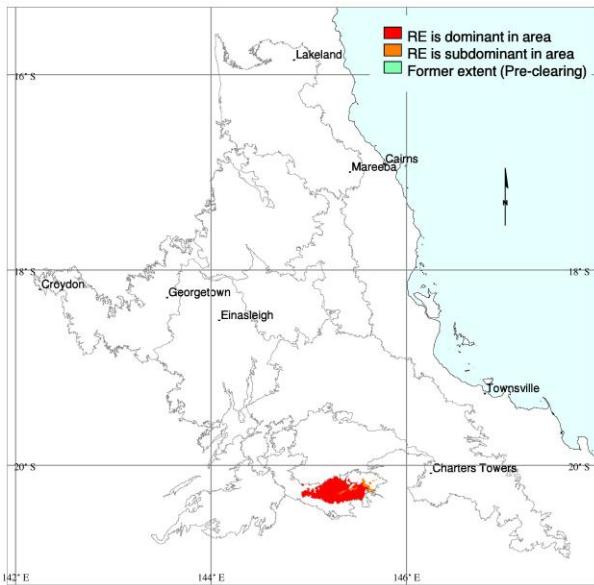
FORBS: Phyllanthus indet. (80%), Cyathium cinereum (1, 60%), Cheilanthes indet. (40%), Evolvulus alsinoides (1, 40%), Peripleura hispidula (1, 40%), Stylosanthes scabra (2, 40%), Tephrosia filipes (40%), Trachymene bivestita var. bivestita (40%), Wahlenbergia caryophylloides (40%), Acacia umbellata (2, 20%), Alternanthera nodiflora (20%), Asteraceae indet. (6, 20%), Bidens bipinnata* (20%), Buchnera indet. (20%), Buchnera linearis (20%), Cajanus indet. (1, 20%), Callitris intratropica (1, 20%), Cassytha filiformis (20%), Chamaecrista concinna (1, 20%), Chamaesyce drummondii (1, 20%), Crotalaria calycina (20%), Crotalaria indet. (20%), Dianella indet. (20%), Dianella rara (20%), Eucalyptus lockyeri (2, 20%), Glossocardia refracta (20%), Gonocarpus acanthocarpus (20%), Gonocarpus indet. (1, 20%), Goodenia grandiflora (20%), Goodenia indet. (1, 20%), Grewia retusifolia (20%), Heliotropium indet. (20%), Hibbertia longifolia (4, 20%), Hibiscus indet. (20%), Hibiscus meraukensis (20%), Hypericum gramineum (20%), Jasminum didymum (20%), Lomandra multiflora (20%), Marsdenia microlepis (20%), Marsdenia viridiflora (20%), Melaleuca viridiflora (6, 20%), Mitrasacme connata (20%), Oldenlandia laceyi (20%), Parsonsia indet. (20%), Pavetta granitica (1, 20%), Peripleura diffusa (20%), Peripleura sericea (20%), Phyllanthus fuernrohrii (1, 20%), Polycarpha corymbosa (20%), Poranthera microphylla (20%), Prostanthera indet. (20%), Pterocaulon redolens (1, 20%), Rostellularia adscendens (20%), Rubiaceae indet. (20%), Spermacoe brachystema (1, 20%), Spermacoe indet. (7, 20%), Stackhousia monogyna (20%), Styliidium eriorhizum (20%), Stylosanthes hamata* (20%), Wedelia spilantheoides (2, 20%), Zornia indet. (20%), Zornia muriculata (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 quadricostata +/- Corymbia peltata open-woodland on igneous hills and steep hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 91,376 91,333 100%

Species recorded: Total: 205; woody: 90; ground: 122; Avg. spp./site: 39.7; std dev.: 17.0, 10 site(s)

Basal area: Avg./site: 7.0 m²/ha, range: 5.0 - 9 m²/ha, std. deviation: 2 m²/ha, 2 site(s)

Structural formation: Open-woodland: 60%; woodland: 30%; low woodland: 10%, 10 site(s)

Representative sites: 25567, 25603, 25604, 25811, 25814, 25816, 25822, 25824, 25825, 39386.

Stratum: T1

Height avg. = 13.5m, range 5-16m, 10 sites
 Crown cover avg. = 15.5%, range 2.9-48.5%, 10 sites
 Stem density/ha avg. = 100, 1 site

Dominant species (relative cover, frequency): Eucalyptus quadricostata (62, 90%), Corymbia peltata (33, 70%), Corymbia dallachiana (9, 30%)

Frequent species (cover, frequency): Eucalyptus quadricostata (8, 90%), Corymbia peltata (4, 70%), Corymbia dallachiana (30%), Corymbia clarksoniana (5, 20%), Corymbia erythrophloia (20%), Bursaria incana (10%), Corymbia citriodora (2, 10%), Corymbia hendersonii (6, 10%), Corymbia trachyphloia subsp. trachyphloia (10%), Grevillea sessilis (6, 10%), Lysicarpus angustifolius (10%), Melaleuca nervosa (10%)

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. = 6.3m, range 5-8m, 9 sites

Crown cover avg. = 2.5%, range 0.6-6.1%, 9 sites

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Eucalyptus quadricostata (32, 50%), Eucalyptus shirleyi (16, 30%), Petalostigma pubescens (15, 40%), Bursaria incana (15, 30%), Persoonia falcata (13, 50%)

Frequent species (cover, frequency): Alphitonia excelsa (50%), Eucalyptus quadricostata (1, 50%), Grevillea parallela (50%), Persoonia falcata (50%), Petalostigma pubescens (40%), Bursaria incana (30%), Eucalyptus shirleyi (30%), Brachychiton populneus subsp. trilobus (20%), Callitris endlicheri (20%), Corymbia erythrophloia (1, 20%), Drypetes deplanchei (20%), Eucalyptus tenuipes (20%), Euroschinus falcatus var. falcatus (20%), Grevillea glauca (20%), Lysicarpus angustifolius (20%), Melaleuca nervosa (20%), Pleiogynium timorense (20%), Santalum lanceolatum (20%), Acacia salicina (10%), Acronychia laevis (10%), Albizia canescens (10%), Bursaria tenuifolia (10%), Cochlospermum gregorii (10%), Cupaniopsis anacardioides (10%), Diospyros humilis (10%), Eucalyptus suffulgens (10%), Geijera salicifolia (10%), Grevillea pteridifolia (10%), Lysiphyllum hookeri (10%), Melaleuca bracteata (10%), Petalostigma banksii (10%), Psydrax attenuata (10%)

Stratum: S1

Height avg. = 1.5m, range 1-2m, 10 sites

Crown cover avg. = 2.2%, range 0.0-15.9%, 10 sites

Stem density/ha avg. = 160, 1 site

Dominant species (relative cover, frequency): Xanthorrhoea johnsonii (21, 70%), Maytenus cunninghamii (16, 50%), Acacia leptostachya (12, 60%), Platysace valida (7, 30%), Notelaea microcarpa (7, 30%)

Frequent species (cover, frequency): Xanthorrhoea johnsonii (70%), Acacia leptostachya (60%), Maytenus cunninghamii (50%), Gastrolobium grandiflorum (30%), Grevillea decora subsp. decora (30%), Larsenaikia ochreatea (30%), Notelaea microcarpa (30%), Platysace valida (30%), Acacia cowleana (5, 20%), Acacia indet. (20%), Alyxia spicata (20%), Breynia oblongifolia (20%), Corymbia erythrophloia (20%), Dodonaea lanceolata var. lanceolata (20%), Eucalyptus quadricostata (20%), Grevillea sessilis (20%), Grewia retusifolia (20%), Melaleuca chisholmii (20%), Petalostigma pubescens (20%), Pogonolobus reticulatus (20%), Pseudanthus ligulatus (20%), Psydrax attenuata (20%), Thryptomene parviflora (20%), Abutilon albescens (10%), Acacia bancroftiorum (10%), Acacia dietrichiana (10%), Acacia farnesiana (10%), Acacia hyaloneura (10%), Acacia simsii (10%), Acronychia laevis (10%), Anisomeles malabarica (10%), Bursaria incana (10%), Capparis canescens (10%), Carissa lanceolata (10%), Cassytha pubescens (10%), Comesperma pallidum (10%), Dodonaea tenuifolia (10%), Ehretia membranifolia (10%), Ehretia saligna (10%), Gossia bidwillii (10%), Hibbertia cistoidea (10%), Hovea lanceolata (10%), Hovea longipes (10%), Indigofera australis (10%), Indigofera brevidens var. brevidens (10%), Jacksonia ramosissima (10%), Jacksonia thesioides (10%), Kerandrenia lanceolata (10%), Leptosema oxylobioides (10%), Leptospermum lamellatum (10%), Leptospermum neglectum (10%), Margaritaria dubium-traceyi (10%), Maytenus disperma (10%), Melichrus urceolatus (10%), Olearia xerophila (10%), Persoonia falcata (10%), Petalostigma banksii (10%), Phebalium nottii (10%), Psydrax oleifolia (10%), Solanum ellipticum (10%)*

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 0.3-0.8m, 10 sites

PFC avg. = 17.3%, range 1-50%, 10 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (33, 70%), *Chrysopogon fallax* (13, 50%), *Heteropogon triticeus* (12, 40%), *Dianella longifolia* (7, 50%), *Themeda triandra* (7, 60%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (6, 70%), *Themeda triandra* (1, 60%), *Chrysopogon fallax* (2, 50%), *Aristida holathera* var. *holathera* (1, 40%), *Eriachne mucronata* (40%), *Heteropogon triticeus* (3, 40%), *Aristida calycina* (30%), *Arundinella nepalensis* (30%), *Cymbopogon bombycinus* (30%), *Enneapogon robustissimus* (30%), *Melinis repens** (2, 30%), *Panicum effusum* var. *effusum* (30%), *Scleria brownii* (30%), *Aristida acuta* (20%), *Aristida perniciosa* (20%), *Cleistochloa subjuncea* (20%), *Cymbopogon refractus* (20%), *Digitaria brownii* (20%), *Digitaria parviflora* (20%), *Sarga plumosum* (3, 20%), *Schizachyrium fragile* (20%), *Scleria sphacelata* (20%), *Sehima nervosum* (20%), *Triodia bitextura* (20%), *Alloteropsis semialata* (10%), *Aristida* *indet.* (7, 10%), *Aristida ingrata* (10%), *Aristida jerichoensis* (10%), *Aristida queenslandica* var. *queenslandica* (10%), *Aristida ramosa* (10%), *Arundinella* *indet.* (10%), *Arundinella setosa* (10%), *Bulbostylis densa* (10%), *Cyperus fulvus* (10%), *Enneapogon* *indet.* (10%), *Enneapogon lindleyanus* (10%), *Enneapogon polyphyllus* (10%), *Eragrostiella* *indet.* (10%), *Eragrostis megalosperma* (10%), *Eragrostis sororia* (10%), *Eriachne ciliata* (10%), *Eriachne pallescens* (10%), *Fimbristylis dichotoma* (10%), *Fimbristylis* *indet.* (1, 10%), *Gahnia aspera* (10%), *Paspalidium gracile* (10%), *Scleria* *indet.* (1, 10%), *Setaria surgens* (10%), *Tetraria capillaris* (10%), *Themeda avenacea* (10%), *Triodia pungens* (10%), *Tripogon loliiiformis* (10%)

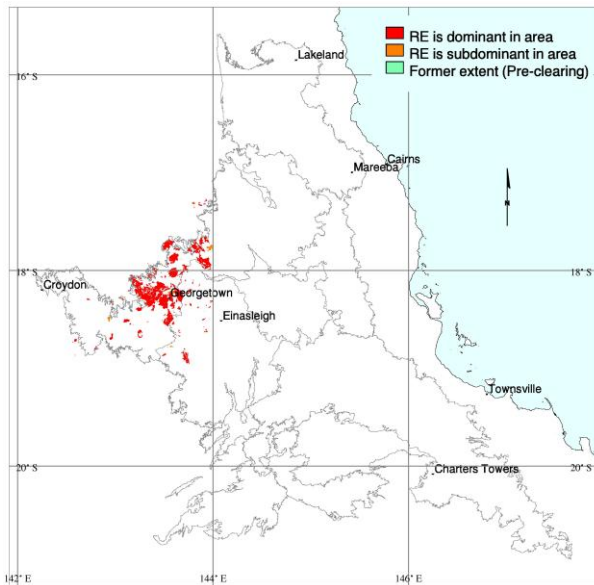
FORBS: *Dianella longifolia* (50%), *Rostellularia adscendens* (50%), *Waltheria indica* (50%), *Cyanthillium cinereum* (40%), *Glycine tomentella* (40%), *Chamaecrista absus* var. *absus* (30%), *Evolvulus alsinoides* (30%), *Lomandra longifolia* (30%), *Melhantha oblongifolia* (30%), *Pterocaulon sphacelatum* (30%), *Boerhavia dominii* (20%), *Cheilanthes distans* (20%), *Chrysocephalum apiculatum* (20%), *Grewia retusifolia* (20%), *Hibiscus meraukensis* (20%), *Indigofera linnaei* (20%), *Jasminum didymum* (20%), *Pandorea pandorana* (20%), *Phyllanthus lacunarius* (20%), *Spermacoce brachystema* (20%), *Tephrosia filipes* (20%), *Uraria lagopodioides* (20%), *Velleia macrocalyx* (20%), *Aeschynomene micranthos* (10%), *Anisomeles malabarica* (10%), *Asteraceae* *indet.* (10%), *Bidens pilosa** (1, 10%), *Bonamia media* (10%), *Breynia oblongifolia* (10%), *Brunonia australis* (10%), *Cajanus reticulatus* var. *reticulatus* (10%), *Camptacra barbata* (10%), *Cartonema* *indet.* (10%), *Cassytha pubescens* (10%), *Chamaesyce drummondii* (10%), *Cheilanthes sieberi* (10%), *Cissus reniformis* (10%), *Claoxylon australe* (10%), *Cleome viscosa* (10%), *Clerodendrum floribundum* (10%), *Crotalaria mitchellii* (10%), *Desmodium* *indet.* (10%), *Dianella revoluta* (10%), *Epaltes australis* (10%), *Euphorbia tannensis* (10%), *Glycine* *indet.* (10%), *Gonocarpus acanthocarpus* (10%), *Goodenia grandiflora* (10%), *Heliotropium* *indet.* (10%), *Heliotropium tenuifolium* (10%), *Hybanthus enneaspermus* (10%), *Indigofera australis* (10%), *Indigofera hirsuta* (1, 10%), *Lomandra confertifolia* subsp. *pallida* (10%), *Lomandra filiformis* (10%), *Lomandra multiflora* subsp. *multiflora* (10%), *Peripleura hispidula* (10%), *Phyllanthus virgatus* (10%), *Platysace valida* (10%), *Plectranthus* *indet.* (10%), *Polycarpaea corymbosa* (10%), *Pomaderris argyrophylla* (10%), *Pseudanthus ligulatus* (10%), *Rhynchosia minima* (10%), *Spermacoce* *indet.* (1, 10%), *Stylosanthes* *indet.* (10%), *Tephrosia purpurea* var. *sericea* (10%), *Trichodesma zeylanicum* var. *zeylanicum* (10%), *Tylophora erecta* (10%), *Wedelia spilanthoides* (10%)

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 +/- Terminalia spp. +/- Corymbia pocillum low open-woodland on rolling rhyolite or granitic hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 150,518 149,699 99%

Species recorded: Total: 102; woody: 39; ground: 67; Avg. spp./site: 26.2; std dev.: 8.5, 6 site(s)

Basal area: Avg./site: 3.9 m²/ha, range: 2.0 - 6 m²/ha, std. deviation: 1 m²/ha, 6 site(s)

Structural formation: Low open-woodland: 67%; low woodland: 33%, 6 site(s)

Representative sites: 26058, 26642, 26645, 26652, 26656, 26817.

Stratum: T1

Height avg. = 6.6m, range 4.5-8m, 6 sites

Crown cover avg. = 16.0%, range 1.6-48.5%, 6 sites

Stem density/ha avg. = 147, range 60-220, 6 sites

Dominant species (relative cover, frequency): Eucalyptus microneura (69, 100%), Terminalia aridicola (41, 50%), Terminalia platyptera (6, 33%)

Frequent species (cover, frequency): Eucalyptus microneura (7, 100%), Dolichandrone heterophylla (50%), Terminalia aridicola (11, 50%), Terminalia platyptera (33%), Corymbia clarksoniana (17%), Corymbia pocillum (17%), Erythrophleum chlorostachys (17%), Eucalyptus similis (8, 17%), Lophostemon grandiflorus (2, 17%), Melaleuca viridiflora (17%)

Stratum: T2

Height avg. = 3.8m, range 3.5-4m, 2 sites

Crown cover avg. = 2.3%, range 1.6-2.9%, 2 sites

Stem density/ha avg. = 130, range 40-220, 2 sites

Frequent species (cover, frequency): Acacia julifera subsp. gilbertensis (17%), Bursaria incana (17%), Cochlospermum gillivraei (17%), Corymbia pocillum (17%), Erythroxylum ellipticum (2, 17%), Eucalyptus similis (17%), Melaleuca nervosa (1, 17%), Petalostigma banksii (2, 17%), Santalum lanceolatum (17%), Terminalia aridicola subsp. chillagoensis (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. = 1.3m, range 1-1.5m, 6 sites

Crown cover avg. = 4.5%, range 0.0-11.8%, 6 sites

Stem density/ha avg. = 830, range 100-1400, 4 sites

Dominant species (relative cover, frequency): *Lysiphyllum indet.* (32, 33%), *Gardenia vilhelmii* (31, 50%), *Terminalia platyptera* (30, 50%), *Dodonaea physocarpa* (12, 33%), *Larsenaikia ochreatea* (9, 33%)

Frequent species (cover, frequency): *Eriachne indet.* (2, 17%), *Dolichandrone heterophylla* (50%), *Eucalyptus microneura* (50%), *Gardenia vilhelmii* (2, 50%), *Terminalia aridicola* (50%), *Terminalia platyptera* (2, 50%), *Alphitonia sp.* (*Selwyn Ranges L.P.Conroy 3*) (33%), *Carissa lanceolata* (33%), *Dodonaea physocarpa* (33%), *Grewia retusifolia* (33%), *Larsenaikia ochreatea* (33%), *Lysiphyllum indet.* (1, 33%), *Acacia bidwillii* (17%), *Acacia julifera subsp. gilbertensis* (1, 17%), *Bidens bipinnata** (17%), *Bursaria incana* (17%), *Clerodendrum floribundum* (17%), *Cochlospermum gillivraei* (17%), *Corymbia clarksoniana* (17%), *Ehretia membranifolia* (17%), *Erythrophleum chlorostachys* (17%), *Erythroxyllum ellipticum* (17%), *Gossypium australe* (17%), *Grevillea mimosoides* (17%), *Grevillea parallela* (17%), *Haemodorum coccineum* (17%), *Maytenus cunninghamii* (17%), *Melaleuca citrolens* (17%), *Melaleuca nervosa* (1, 17%), *Melhania oblongifolia* (17%), *Petalostigma banksii* (2, 17%), *Psychotria daphnoides* (17%), *Pterocaulon sphacelatum* (17%), *Santalum lanceolatum* (17%), *Terminalia aridicola subsp. chillagoensis* (17%)

Stratum: G

Height avg. = 0.7m, range 0.5-0.8m, 6 sites

PFC avg. = 62.5%, range 35-89%, 6 sites

Dominant species (relative cover, frequency): *Schizachyrium indet.* (35, 67%), *Capillipedium parviflorum* (25, 33%), *Aristida indet.* (21, 100%), *Tripogon loliiformis* (13, 33%), *Heteropogon contortus* (10, 83%)

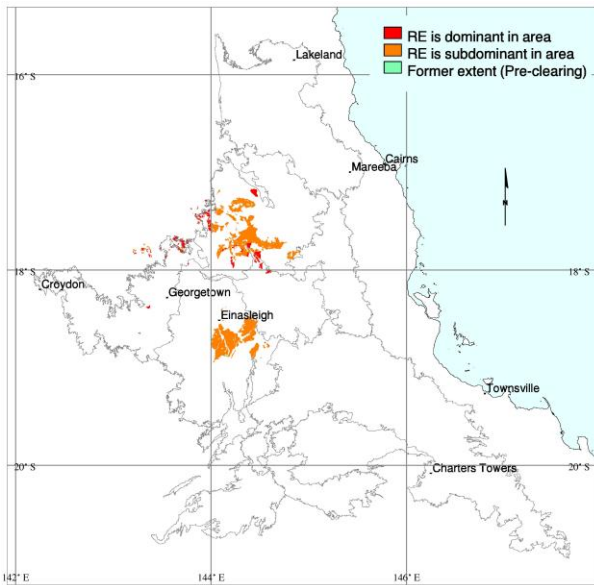
Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida indet.* (10, 100%), *Heteropogon contortus* (7, 83%), *Schizachyrium indet.* (26, 67%), *Enneapogon indet.* (3, 50%), *Capillipedium parviflorum* (20, 33%), *Chrysopogon fallax* (33%), *Tripogon loliiformis* (9, 33%), *Arundinella nepalensis* (10, 17%), *Bothriochloa indet.* (2, 17%), *Chloris indet.* (4, 17%), *Echinopogon indet.* (17%), *Enneapogon polyphyllus* (1, 17%), *Eragrostis tenellula* (1, 17%), *Eriachne indet.* (1, 17%), *Fimbristylis indet.* (17%), *Heteropogon triticeus* (17%), *Oxychloris scariosa* (23, 17%), *Perotis rara* (17%), *Sarga plumosum* (10, 17%), *Schizachyrium fragile* (10, 17%), *Setaria indet.* (17%), *Themeda quadrivalvis** (10, 17%), *Themeda triandra* (17%) **FORBS:** *Malvastrum americanum var. americanum** (1, 50%), *Sida indet.* (1, 50%), *Boerhavia indet.* (1, 33%), *Evolvulus alsinoides* (33%), *Glycine indet.* (5, 33%), *Hyptis suaveolens** (1, 33%), *Indigofera hirsuta* (33%), *Indigofera linnaei* (33%), *Ptilotus indet.* (33%), *Abutilon indet.* (17%), *Bidens pilosa** (17%), *Blumea saxatilis* (17%), *Callicarpa candicans* (17%), *Cayratia trifolia* (17%), *Chamaecrista absus var. absus* (17%), *Chamaesyce indet.* (17%), *Cheilanthes distans* (17%), *Cleome viscosa* (17%), *Corchorus sericeus* (17%), *Desmodium varians* (17%), *Gardenia vilhelmii* (17%), *Grewia retusifolia* (17%), *Hybanthus enneaspermus* (1, 17%), *Hybanthus indet.* (1, 17%), *Indigofera linifolia* (17%), *Malvastrum americanum** (17%), *Maytenus cunninghamii* (17%), *Mitrasacme indet.* (17%), *Neptunia indet.* (3, 17%), *Oldenlandia indet.* (17%), *Polycarpha corymbosa* (17%), *Polycarpha multicaulis* (17%), *Portulaca filifolia* (17%), *Spermacoce indet.* (2, 17%), *Stylosanthes indet.* (17%), *Tephrosia filipes* (17%), *Triumfetta indet.* (17%), *Triumfetta pentandra** (17%), *Triumfetta rhomboidea** (17%), *Vernonia indet.* (17%), *Waltheria indica* (17%), *Xenostegia tridentata* (17%), *Zornia indet.* (1, 17%), *Zornia muriculata subsp. muriculata* (1, 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 microneura +/- Corymbia clarksoniana low open-woodland on granitic or rhyolite hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 81,429 80,028 98%

Species recorded: Total: 91; woody: 32; ground: 66; Avg. spp./site: 24.7; std dev.: 3.0, 6 site(s)

Basal area: Avg./site: 5.7 m²/ha, range: 4.0 - 10 m²/ha, std. deviation: 2 m²/ha, 5 site(s)

Structural formation: Low open-woodland: 50%; woodland: 17%; open-woodland: 17%; low woodland: 17%, 6 site(s)

Representative sites: 25981, 26067, 26068, 26192, 26305, 26307.

Stratum: T1

Height avg. = 9.2m, range 8-10m, 6 sites

Crown cover avg. = 15.3%, range 0.6-29.2%, 6 sites

Stem density/ha avg. = 177, range 60-400, 6 sites

Dominant species (relative cover, frequency): Melaleuca citrolens (87, 33%), Eucalyptus microneura (64, 100%)

Frequent species (cover, frequency): Eucalyptus microneura (12, 100%), Melaleuca citrolens (5, 33%), Brachychiton diversifolius (17%), Corymbia clarksoniana (17%), Corymbia dallachiana (17%), Erythroxylum ellipticum (17%), Eucalyptus cullenii (2, 17%), Grevillea parallela (3, 17%), Grevillea striata (2, 17%)

Stratum: T2

Height avg. = 4.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 320, 1 site

Frequent species (cover, frequency): Atalaya hemiglauca (17%), Corymbia confertiflora (17%), Erythroxylum ellipticum (17%), Eucalyptus microneura (17%), Maytenus cunninghamii (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. = 2.2m, range 1-3m, 6 sites

Crown cover avg. = 2.6%, range 0.0-6.1%, 6 sites

Stem density/ha avg. = 743, range 120-1940, 6 sites

Dominant species (relative cover, frequency): *Petalostigma pubescens* (46, 33%), *Melaleuca citrolens* (34, 50%), *Acacia bidwillii* (17, 67%), *Grevillea striata* (15, 33%), *Atalaya hemiglaucula* (14, 50%)

Frequent species (cover, frequency): *Acacia bidwillii* (67%), *Eucalyptus microneura* (67%), *Grewia retusifolia* (67%), *Maytenus cunninghamii* (67%), *Atalaya hemiglaucula* (50%), *Carissa lanceolata* (50%), *Melaleuca citrolens* (1, 50%), *Grevillea striata* (33%), *Petalostigma pubescens* (3, 33%), *Acacia victoriae* (17%), *Alphitonia pomaderroides* (17%), *Breynia* *indet.* (17%), *Bursaria incana* (17%), *Carissa ovata* (17%), *Corymbia clarksoniana* (17%), *Dodonaea physocarpa* (17%), *Dolichandrone heterophylla* (17%), *Eremophila mitchellii* (17%), *Gardenia vilhelmii* (1, 17%), *Grevillea parallela* (17%), *Hakea arborescens* (17%), *Melaleuca nervosa* (17%), *Melaleuca viridiflora* (17%), *Petalostigma banksii* (17%), *Terminalia muelleri* (1, 17%), *Wrightia saligna* (17%), *Xylomelum scottianum* (17%)

Stratum: G

Height avg. = 0.5m, range 0.2-0.8m, 6 sites

PFC avg. = 50.2%, range 20-71%, 6 sites

Dominant species (relative cover, frequency): *Schizachyrium* *indet.* (33, 67%), *Poaceae* *indet.* (20, 50%), *Tripogon loliiformis* (19, 50%), *Aristida* *indet.* (9, 67%), *Chrysopogon* *indet.* (8, 33%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (3, 83%), *Aristida* *indet.* (4, 67%), *Schizachyrium* *indet.* (17, 67%), *Eriachne* *indet.* (3, 50%), *Poaceae* *indet.* (7, 50%), *Tripogon loliiformis* (9, 50%), *Aristida calycina* (1, 33%), *Chrysopogon* *indet.* (4, 33%), *Eragrostis* *indet.* (4, 33%), *Panicum* *indet.* (1, 33%), *Sorghum* *indet.* (33%), *Alloterospis semialata* (6, 17%), *Aristida perniciosus* (2, 17%), *Aristida sciuroides* (8, 17%), *Bothriochloa* *indet.* (17%), *Chloris lobata* (1, 17%), *Cyperus* *indet.* (1, 17%), *Dactyloctenium radulans* (17%), *Digitaria bicornis* (17%), *Digitaria brownii* (1, 17%), *Digitaria* *indet.* (17%), *Ectrosia* *indet.* (1, 17%), *Enneapogon* *indet.* (2, 17%), *Enneapogon lindleyanus* (17%), *Eragrostis basedowii* (3, 17%), *Eragrostis sororia* (17%), *Eragrostis sterilis* (17%), *Eriochloa* *indet.* (17%), *Panicum effusum* *var. effusum* (17%), *Panicum mitchellii* (2, 17%), *Setaria* *indet.* (17%), *Setaria surgens* (17%), *Sporobolus* *indet.* (2, 17%), *Themeda quadrivalvis** (17%), *Themeda triandra* (4, 17%), *Urochloa mosambicensis** (4, 17%)

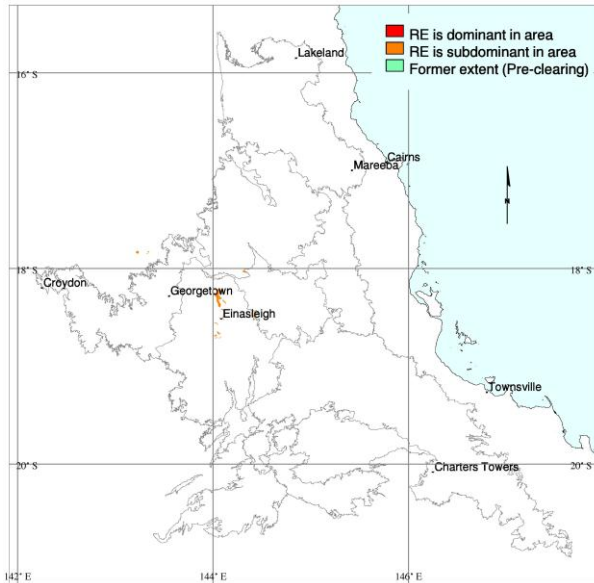
FORBS: *Malvastrum americanum* *var. americanum** (1, 67%), *Stylosanthes* *indet.* (50%), *Evolvulus alsinoides* (33%), *Gomphrena flaccida* (33%), *Grewia retusifolia* (33%), *Abutilon* *indet.* (17%), *Alternanthera* *indet.* (17%), *Amaranthaceae* *indet.* (17%), *Angiosperm* *indet.* (17%), *Bidens* *indet.* (17%), *Brachychiton diversifolius* (17%), *Capparis* *indet.* (17%), *Carissa lanceolata* (4, 17%), *Carissa ovata* (17%), *Cheilanthes* *indet.* (17%), *Dodonaea physocarpa* (1, 17%), *Dolichandrone heterophylla* (17%), *Euphorbia* *indet.* (17%), *Grevillea striata* (1, 17%), *Hibiscus* *indet.* (17%), *Indigofera* *indet.* (17%), *Malvastrum* *indet.* (17%), *Menispermaceae* *indet.* (17%), *Oldenlandia mitrasacmoides* *subsp. nigricans* (17%), *Pseuderanthemum variabile* (17%), *Pterocaulon redolens* (17%), *Spermacoce* *indet.* (17%), *Stylosanthes scabra** (17%), *Tephrosia* *indet.* (17%), *Zornia* *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

Melaleuca citrolens +/- Eucalyptus microneura +/- Terminalia spp. low woodland on rolling granitic or rhyolite hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 2,072 2,057 99%

Species recorded: Total: 67; woody: 26; ground: 46; Avg. spp./site: 21.5; std dev.: 5.0, 4 site(s)

Basal area: Avg./site: 9.1 m²/ha, range: 5.5 - 14 m²/ha, std. deviation: 3 m²/ha, 4 site(s)

Structural formation: Low woodland: 60%; low open-woodland: 40%, 5 site(s)

Representative sites: 25978, 26053, 26087, 26312, 26829.

Stratum: T1

Height avg. = 6.4m, range 6-7m, 5 sites

Crown cover avg. = 37.3%, range 11.8-61.4%, 5 sites

Stem density/ha avg. = 500, range 280-980, 4 sites

Dominant species (relative cover, frequency): Melaleuca citrolens (85, 100%), Eucalyptus microneura (14, 100%)

Frequent species (cover, frequency): Eucalyptus microneura (4, 100%), Melaleuca citrolens (31, 100%), Acacia leptostachya (20%), Dolichandrone heterophylla (1, 20%), Eremophila mitchellii (20%), Erythroxylum ellipticum (20%), Eucalyptus crebra (20%), Hakea lorea (20%), Senna artemisioides (20%), Terminalia aridicola (1, 20%), Terminalia aridicola subsp. chillagoensis (20%), Terminalia platyptera (20%), Xylomelum scottianum (20%)

Stratum: S1

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

Crown cover avg. = 2.4%, range 0.0-6.1%, 5 sites

Stem density/ha avg. = 1770, range 380-4940, 4 sites

Dominant species (relative cover, frequency): Melaleuca citrolens (45, 100%), Grewia retusifolia (16, 40%), Eucalyptus microneura (15, 80%), Carissa lanceolata (14, 80%), Maytenus cunninghamii (2, 40%)

Frequent species (cover, frequency): Melaleuca citrolens (1, 100%), Carissa lanceolata (80%), Eucalyptus microneura (80%), Atalaya hemiglauca (40%), Grewia retusifolia (40%), Maytenus cunninghamii (40%), Acacia bidwillii (20%), Acacia leptostachya (20%), Breynia oblongifolia (20%), Carissa indet. (20%), Dodonaea physocarpa (20%), Dolichandrone heterophylla (20%), Eremophila mitchellii (20%), Gardenia vilhelmii (20%), Melhania oblongifolia (1, 20%), Petalostigma banksii (20%), Petalostigma pubescens (20%), Santalum lanceolatum (20%), Senna artemisioides (20%), Terminalia aridicola (20%), Terminalia aridicola subsp. chillagoensis (2, 20%), Terminalia platyptera (20%), Xylomelum scottianum (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: G

Height avg. = 0.3m, range 0.2-0.6m, 4 sites

PFC avg. = 26.3%, range 4-51%, 4 sites

Dominant species (relative cover, frequency): *Aristida indet.* (36, 40%), *Heteropogon contortus* (22, 60%), *Sarga plumosum* (18, 40%), *Enneapogon indet.* (4, 40%), *Themeda triandra* (1, 40%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (5, 60%), *Aristida indet.* (17, 40%), *Enneapogon indet.* (40%), *Panicum indet.* (40%), *Sarga plumosum* (5, 40%), *Themeda triandra* (40%), *Aristida jerichoensis* var. *subspinulifera* (20%), *Aristida latifolia* (20%), *Brachyachne convergens* (20%), *Chrysopogon indet.* (1, 20%), *Cymbopogon bombycinus* (20%), *Cyperus indet.* (20%), *Dichanthium indet.* (20%), *Eragrostis exigua* (20%), *Eragrostis indet.* (5, 20%), *Eragrostis tenellula* (20%), *Eriachne indet.* (1, 20%), *Leptochloa indet.* (20%), *Poaceae indet.* (20%), *Pseudopogonatherum indet.* (1, 20%), *Schizachyrium fragile* (5, 20%), *Schizachyrium indet.* (16, 20%), *Scleria brownii* (20%), *Sporobolus caroli* (20%), *Sporobolus indet.* (20%)

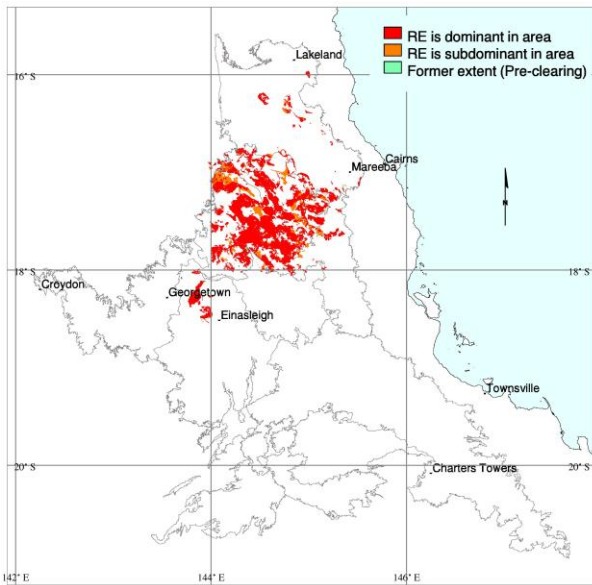
FORBS: *Achyranthes aspera* (20%), *Asteraceae indet.* (1, 20%), *Atalaya hemiglaucula* (20%), *Bidens bipinnata** (20%), *Dolichandrone heterophylla* (20%), *Erythroxylum ellipticum* (20%), *Gomphrena conferta* (20%), *Grewia retusifolia* (20%), *Heliotropium indet.* (20%), *Malvastrum americanum** (20%), *Melaleuca citrolens* (20%), *Ocimum indet.* (20%), *Oldenlandia indet.* (1, 20%), *Phyllanthus indet.* (20%), *Polycarpaea corymbosa* (20%), *Polycarpaea multicaulis* (20%), *Sida indet.* (20%), *Spermacoce indet.* (20%), *Trachymene bivistita* var. *bivistita* (20%), *Triumfetta rhomboidea** (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 cullenii +/- Corymbia erythrophloia woodland on rhyolite hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 544,192 538,427 99%

Species recorded: Total: 189; woody: 57; ground: 141; Avg. spp./site: 29.0; std dev.: 6.9, 11 site(s)

Basal area: Avg./site: 6.5 m²/ha, range: 4.0 - 9 m²/ha, std. deviation: 1 m²/ha, 12 site(s)

Structural formation: Woodland: 58%; low woodland: 25%; open-woodland: 8%; low open-forest: 8%, 12 site(s)

Representative sites: 26063, 26065, 26101, 26103, 26176, 26286, 26294, 26388, 26398, 26833, 26910, 26971.

Stratum: T1

Height avg. = 10.4m, range 8-15m, 12 sites

Crown cover avg. = 31.3%, range 7.9-66.2%, 11 sites

Stem density/ha avg. = 158, range 80-340, 12 sites

Dominant species (relative cover, frequency): Eucalyptus cullenii (73, 83%), Corymbia erythrophloia (59, 25%), Erythrophleum chlorostachys (20, 25%)

Frequent species (cover, frequency): Eucalyptus cullenii (18, 83%), Corymbia erythrophloia (19, 25%), Erythrophleum chlorostachys (6, 25%), Brachychiton indet. (8%), Corymbia citriodora (9, 8%), Corymbia clarksoniana (36, 8%), Corymbia hylandii (8%), Corymbia indet. (8%), Eucalyptus crebra (11, 8%), Eucalyptus staigeriana (8%), Grevillea glauca (8%), Pleiogynium timorense (8%)

Stratum: T2

Height avg. = 6.4m, range 4-10m, 5 sites

Crown cover avg. = 8.9%, range 0.0-18.1%, 5 sites

Stem density/ha avg. = 160, range 60-260, 5 sites

Dominant species (relative cover, frequency): Corymbia erythrophloia (43, 33%)

Frequent species (cover, frequency): Corymbia erythrophloia (2, 33%), Erythroxylum ellipticum (25%), Acacia leptostachya (14, 8%), Alphitonia pomaderroides (8%), Brachychiton indet. (8%), Callitris intratropica (8%), Corymbia citriodora (3, 8%), Erythrophleum chlorostachys (8%), Eucalyptus crebra (8%), Loranthaceae indet. (4, 8%), Pleiogynium timorense (5, 8%), Terminalia platyptera (3, 8%), Wrightia saligna (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, 12 sites

Crown cover avg. = 1.4%, range 0.0-6.1%, 11 sites

Stem density/ha avg. = 389, range 40-1740, 11 sites

Dominant species (relative cover, frequency): *Grewia retusifolia* (56, 25%), *Petalostigma banksii* (21, 25%), *Alphitonia pomaderroides* (13, 58%), *Capparis indet.* (10, 25%), *Maytenus cunninghamii* (9, 33%)

Frequent species (cover, frequency): *Alphitonia pomaderroides* (58%), *Eucalyptus cullenii* (33%), *Maytenus cunninghamii* (33%), *Breynia oblongifolia* (25%), *Capparis indet.* (25%), *Grewia retusifolia* (1, 25%), *Petalostigma banksii* (25%), *Corymbia erythrophloia* (17%), *Erythroxyllum ellipticum* (17%), *Grevillea glauca* (17%), *Grevillea mimosoides* (17%), *Grevillea parallela* (17%), *Larsenaikia ochreatea* (17%), *Petalostigma pubescens* (17%), *Xanthorrhoea indet.* (12, 17%), *Acacia bidwillii* (8%), *Acacia indet.* (8%), *Acacia longispicata* (2, 8%), *Acacia multisiliqua* (8%), *Acacia nesophila* (8%), *Alphitonia excelsa* (8%), *Alyxia spicata* (8%), *Bursaria incana* (8%), *Callitris intratropica* (8%), *Cayratia trifolia* (8%), *Corymbia citriodora* (8%), *Corymbia clarksoniana* (8%), *Corymbia hylandii* (8%), *Cupaniopsis anacardioides* (8%), *Diospyros indet.* (8%), *Dodonaea indet.* (8%), *Dodonaea oxyptera* (8%), *Dodonaea physocarpa* (8%), *Dolichandrone heterophylla* (8%), *Erythropleum chlorostachys* (8%), *Eucalyptus staigeriana* (8%), *Gardenia vilhelmii* (8%), *Grevillea indet.* (8%), *Hakea persiehana* (8%), *Homalium brachybotrys* (8%), *Hovea parvicalyx* (8%), *Jacksonia vernicosa* (1, 8%), *Lophostemon suaveolens* (8%), *Melaleuca citrolens* (1, 8%), *Melaleuca nervosa* (8%), *Pleiogynium timorense* (8%), *Pogonolobus reticulatus* (8%), *Pouteria sericea* (8%), *Strychnos lucida* (8%), *Terminalia aridicola* (8%), *Terminalia platyptera* (8%), *Wrightia saligna* (8%)

Stratum: G

Height avg. = 0.5m, range 0.3-0.8m, 11 sites

PFC avg. = 41.9%, range 13-64%, 11 sites

Dominant species (relative cover, frequency): *Themeda triandra* (34, 67%), *Schizachyrium fragile* (26, 25%), *Schizachyrium indet.* (24, 33%), *Heteropogon contortus* (21, 75%), *Aristida indet.* (11, 25%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (8, 75%), *Heteropogon triticeus* (2, 75%), *Themeda triandra* (20, 67%), *Sarga plumosum* (1, 50%), *Panicum indet.* (1, 33%), *Schizachyrium indet.* (12, 33%), *Scleria indet.* (1, 33%), *Aristida indet.* (6, 25%), *Cymbopogon bombycinus* (25%), *Enneapogon lindleyanus* (4, 25%), *Melinis repens** (25%), *Schizachyrium fragile* (9, 25%), *Aristida calycina* (17%), *Aristida ingrata* (5, 17%), *Bulbostylis barbata* (17%), *Capillipedium indet.* (1, 17%), *Scleria brownii* (1, 17%), *Alloteropsis semialata* (8%), *Aristida holathera* (2, 8%), *Aristida sciuroides* (8%), *Arundinella indet.* (2, 8%), *Arundinella setosa* (8%), *Chrysopogon fallax* (1, 8%), *Cyperaceae indet.* (8%), *Cyperus indet.* (1, 8%), *Cyperus pulchellus* (8%), *Dichanthium sericeum* (8%), *Digitaria brownii* (8%), *Ectrosia lasioclada* (8%), *Enneapogon indet.* (3, 8%), *Enneapogon polyphyllus* (8%), *Eragrostis cumingii* (2, 8%), *Eragrostis indet.* (8%), *Eragrostis sororia* (2, 8%), *Eragrostis spartinoides* (8%), *Eragrostis speciosa* (8%), *Eriachne indet.* (2, 8%), *Fimbristylis dichotoma* (8%), *Panicum mindanaense* (1, 8%), *Poaceae indet.* (8%), *Pseudopogonatherum irritans* (8%), *Setaria indet.* (2, 8%), *Setaria surgens* (8%), *Sorghum indet.* (1, 8%), *Tripogon loliiformis* (1, 8%), *Urochloa holosericea* (13, 8%)

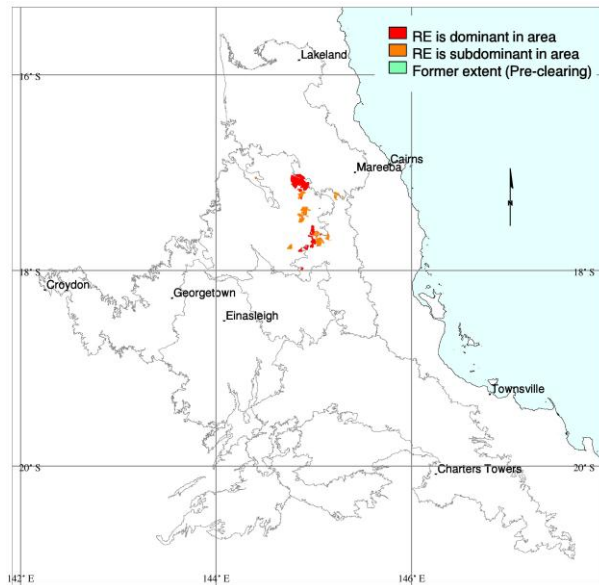
FORBS: *Cheilanthes indet.* (42%), *Evolvulus alsinoides* (33%), *Grewia retusifolia* (1, 33%), *Rostellularia adscendens* (33%), *Spermacoce indet.* (33%), *Angiosperm indet.* (25%), *Asteraceae indet.* (25%), *Breynia oblongifolia* (25%), *Crotalaria indet.* (2, 25%), *Cyanthillium cinereum* (25%), *Fabaceae indet.* (2, 25%), *Indigofera indet.* (25%), *Phyllanthus indet.* (25%), *Cayratia indet.* (17%), *Corymbia erythrophloia* (3, 17%), *Erythroxyllum ellipticum* (1, 17%), *Hibiscus meraukensis* (17%), *Indigofera linnaei* (1, 17%), *Indigofera pratensis* (2, 17%), *Melhania oblongifolia* (17%), *Ruellia tuberosa** (1, 17%), *Sesbania indet.* (17%), *Stylosanthes indet.* (17%), *Tephrosia filipes* (17%), *Alphitonia pomaderroides* (2, 8%), *Asparagus racemosus* (1, 8%), *Buchnera linearis* (8%), *Cajanus marmoratus* (8%), *Cajanus scarabaeoides* (2, 8%), *Capparis indet.* (8%), *Cassytha filiformis* (2, 8%), *Chamaecrista absus var. absus* (8%), *Chamaesyce inappendiculata* (8%), *Chamaesyce michelliana var. hirta* (8%), *Chrysocephalum apiculatum* (4, 8%), *Cleome viscosa* (8%), *Commelina ensifolia* (1, 8%), *Convolvulaceae indet.* (8%), *Crotalaria calycina* (8%), *Crotalaria montana* (8%), *Desmodium indet.* (8%), *Desmodium rhytidophyllum* (1, 8%), *Dianella indet.* (8%), *Flemingia parviflora* (9, 8%), *Galactia indet.* (8%), *Galactia tenuiflora forma sericea* (8%), *Galactia tenuiflora var. lucida* (2, 8%), *Goodenia pilosa* (1, 8%), *Grewia latifolia* (8%), *Haemodorum coccineum* (8%), *Hovea parvicalyx* (2, 8%), *Hybanthus indet.* (1, 8%), *Hyptis suaveolens** (8%), *Indigofera colutea* (1, 8%), *Iphigenia indica* (8%), *Ipomoea eriocarpa* (8%), *Ipomoea gracilis* (8%), *Lomandra indet.* (8%), *Lomandra longifolia* (15, 8%), *Malvaceae indet.* (8%), *Oldenlandia indet.* (8%), *Pandanus indet.* (8%), *Phyllanthus fuernrohrii* (8%), *Phyllanthus virgatus* (8%), *Pimelea sericostachya subsp. amabilis* (8%), *Planchonia careya* (8%), *Pogonolobus reticulatus* (8%), *Polycarpaea indet.* (1, 8%), *Polygala exsquamata* (1, 8%), *Pseuderanthemum variabile* (8%), *Psychotria daphnoides* (8%), *Pterocaulon redolens* (8%), *Pterocaulon sphacelatum* (8%), *Rhynchosia minima* (1, 8%), *Sauropus elachophyllus* (8%), *Senna artemisioides* (1, 8%), *Sida indet.* (1, 8%), *Spermacoce brachystema* (8%), *Striga parviflora* (1, 8%), *Stylosanthes scabra** (8%), *Tephrosia indet.* (3, 8%), *Tephrosia juncea* (8%), *Tephrosia varians* (8%), *Thecanthes cornucopiae* (8%), *Urania lagopodioides* (8%), *Vigna vexillata var. angustifolia* (8%), *Wahlenbergia indet.* (8%), *Wollastonia biflora* (8%), *Xanthorrhoea indet.* (8%), *Zornia indet.* (1, 8%), *Zornia muriculata* (8%), *Zornia muriculata subsp. angustata* (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 cullenii and/or E. crebra and Corymbia leichhardtii woodland on steep rocky rhyolite hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 44,499 43,787 98%

Species recorded: Total: 101; woody: 53; ground: 50; Avg. spp./site: 32.4; std dev.: 2.7, 5 site(s)

Basal area: Avg./site: 8.0 m²/ha, range: 6.0 - 10 m²/ha, std. deviation: 2 m²/ha, 2 site(s)

Structural formation: Woodland: 60%; open-woodland: 20%; low open-woodland: 20%, 5 site(s)

Representative sites: 25572, 25925, 25926, 25991, 26061.

Stratum: T1

Height avg. = 12.9m, range 7.5-18m, 5 sites

Crown cover avg. = 20.6%, range 7.9-38.0%, 5 sites

Stem density/ha avg. = 80, range 20-160, 5 sites

Dominant species (relative cover, frequency): Corymbia leichhardtii (46, 100%), Eucalyptus crebra (46, 60%), Eucalyptus cullenii (27, 40%), Corymbia erythrophloia (10, 60%)

Frequent species (cover, frequency): Corymbia leichhardtii (7, 100%), Corymbia erythrophloia (1, 60%), Eucalyptus crebra (9, 60%), Erythrophleum chlorostachys (40%), Eucalyptus cullenii (3, 40%), Callitris intratropica (20%), Homalium brachybotrys (4, 20%)

Stratum: T2

Height avg. = 7.0m, range 5-9m, 3 sites

Crown cover avg. = 13.5%, range 6.1-22.5%, 3 sites

Stem density/ha avg. = 133, range 80-200, 3 sites

Dominant species (relative cover, frequency): Grevillea glauca (2, 60%)

Frequent species (cover, frequency): Grevillea glauca (60%), Erythrophleum chlorostachys (40%), Terminalia indet. (40%), Bursaria incana (10, 20%), Callitris intratropica (20%), Celastraceae indet. (20%), Corymbia erythrophloia (2, 20%), Corymbia leichhardtii (6, 20%), Eucalyptus crebra (6, 20%), Eucalyptus shirleyi (1, 20%), Grevillea parallela (20%), Persoonia falcata (20%), Petalostigma pubescens (2, 20%), Xylomelum scottianum (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. = 1.8m, range 1.5-2m, 5 sites

Crown cover avg. = 6.0%, range 0.0-15.9%, 5 sites

Stem density/ha avg. = 720, range 140-1520, 5 sites

Dominant species (relative cover, frequency): *Corymbia erythrophloia* (31, 40%), *Erythrophleum chlorostachys* (27, 60%), *Corymbia leichhardtii* (27, 60%), *Callitris intratropica* (10, 40%), *Grevillea parallela* (3, 60%)

Frequent species (cover, frequency): *Grevillea glauca* (80%), *Corymbia leichhardtii* (3, 60%), *Erythrophleum chlorostachys* (60%), *Grevillea parallela* (60%), *Jacksonia thesioides* (60%), *Maytenus cunninghamii* (60%), *Persoonia falcata* (60%), *Petalostigma pubescens* (60%), *Planchonia careya* (60%), *Alphitonia pomaderroides* (40%), *Bursaria incana* (40%), *Callitris intratropica* (1, 40%), *Corymbia erythrophloia* (1, 40%), *Xanthorrhoea johnsonii* (40%), *Acacia calyculata* (6, 20%), *Acacia galioides* (20%), *Acacia guymeri* (20%), *Acacia hemignosta* (20%), *Acacia leptostachya* (20%), *Acacia whitei* (20%), *Brachychiton diversifolius* (20%), *Brachychiton* *indet.* (20%), *Brunoniella acaulis* (20%), *Buchnera ramosissima* (20%), *Capparis canescens* (20%), *Capparis* *indet.* (20%), *Carissa ovata* (20%), *Distichostemon dodecandrus* (20%), *Dolichandrone heterophylla* (20%), *Erythroxylum ellipticum* (20%), *Eucalyptus crebra* (4, 20%), *Eucalyptus cullenii* (2, 20%), *Eucalyptus shirleyi* (1, 20%), *Grevillea mimosoides* (20%), *Grevillea pteridifolia* (20%), *Homalium brachybotrys* (20%), *Lamprolobium fruticosum* (1, 20%), *Lomandra multiflora* *subsp. multiflora* (20%), *Maytenus disperma* (20%), *Oldenlandia* *indet.* (20%), *Pandanus* *indet.* (20%), *Petalostigma banksii* (1, 20%), *Phyllanthus* *indet.* (20%), *Premna acuminata* (20%), *Pterocaulon sphacelatum* (20%), *Santalum lanceolatum* (20%), *Sauropus elachophyllus* (20%), *Wikstroemia indica* (20%), *Xanthorrhoea* *indet.* (20%), *Xylomelum* *indet.* (20%)

Stratum: G

Height avg. = 0.3m, range 0.1-0.5m, 5 sites

PFC avg. = 26.0%, range 10-50%, 5 sites

Dominant species (relative cover, frequency): *Schizachyrium fragile* (39, 60%), *Themeda triandra* (35, 40%), *Heteropogon contortus* (13, 40%), *Aristida* *indet.* (10, 80%), *Sarga plumosum* (8, 40%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon triticeus* (1, 100%), *Aristida* *indet.* (4, 80%), *Cymbopogon bombycinus* (60%), *Schizachyrium fragile* (7, 60%), *Arundinella* *indet.* (1, 40%), *Arundinella setosa* (1, 40%), *Heteropogon contortus* (3, 40%), *Sarga plumosum* (3, 40%), *Themeda triandra* (16, 40%), *Aristida holathera* (10, 20%), *Aristida macroclada* (1, 20%), *Enneapogon* *indet.* (1, 20%), *Eriachne* *indet.* (20%), *Melinis minutiflora** (20%), *Melinis repens** (20%), *Panicum* *indet.* (20%), *Rhynchospora heterochaeta* (20%), *Schizachyrium* *indet.* (10, 20%), *Scleria brownii* (20%)

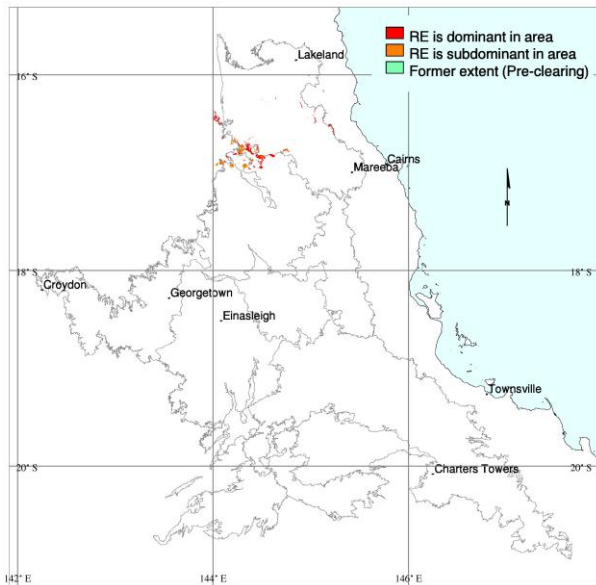
FORBS: *Cheilanthes* *indet.* (60%), *Crotalaria montana* (40%), *Hibbertia* *indet.* (40%), *Hibbertia longifolia* (40%), *Indigofera pratensis* (40%), *Pimelea sericostachya* (40%), *Polycarpha corymbosa* (40%), *Antidesma parvifolium* (20%), *Breynia* *indet.* (5, 20%), *Brunoniella acaulis* (20%), *Cassytha filiformis* (20%), *Clematicissus opaca* (20%), *Euphorbia* *indet.* (20%), *Flemingia parviflora* (20%), *Gastrolobium grandiflorum* (20%), *Glycine* *indet.* (20%), *Grewia latifolia* (20%), *Helichrysum* *indet.* (20%), *Helichrysum newcastlianum* (20%), *Hovea* *indet.* (20%), *Indigofera bancroftii* (1, 20%), *Indigofera* *indet.* (20%), *Pleurosorus* *indet.* (20%), *Rostellularia adscendens* (20%), *Spermacoce* *indet.* (20%), *Stylosanthes guianensis** (20%), *Tephrosia filipes* (20%), *Tephrosia juncea* (20%), *Tricoryne anceps* *subsp. anceps* (20%), *Wahlenbergia* *indet.* (20%), *Xanthorrhoea johnsonii* (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 cullenii and Erythrophleum chlorostachys +/- Corymbia hylandii woodland on rhyolite hills



G. W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 15,460 15,457 100%

Species recorded: Total: 63; woody: 20; ground: 44; Avg. spp./site: 37.0; std dev.: 7.0, 2 site(s)

Basal area: Avg./site: 5.5 m²/ha, range: 3.0 - 8 m²/ha, std. deviation: 3 m²/ha, 2 site(s)

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

Representative sites: 26997, 27012.

Stratum: T1

Height avg. = 12.0m, range 12-12m, 2 sites

Crown cover avg. = 22.6%, range 15.9-29.2%, 2 sites

Stem density/ha avg. = 150, range 100-200, 2 sites

Dominant species (relative cover, frequency): Eucalyptus cullenii (40, 100%), Corymbia hylandii (37, 50%), Eucalyptus tetradonta (30, 50%), Terminalia platyptera (26, 50%), Erythrophleum chlorostachys (13, 100%)

Frequent species (cover, frequency): Erythrophleum chlorostachys (4, 100%), Eucalyptus cullenii (8, 100%), Corymbia clarksoniana (50%), Corymbia confertiflora (50%), Corymbia erythrophloia (50%), Corymbia hylandii (10, 50%), Eucalyptus tetradonta (3, 50%), Terminalia aridicola subsp. chillagoensis (50%), Terminalia platyptera (3, 50%)

Stratum: T2

Height avg. = 6.0m, 1 site

Crown cover avg. = 9.8%, 1 site

Stem density/ha avg. = 140, 1 site

Dominant species (relative cover, frequency): Eucalyptus cullenii (40, 50%), Corymbia hylandii (40, 50%), Terminalia platyptera (11, 50%), Terminalia aridicola subsp. chillagoensis (8, 50%)

Frequent species (cover, frequency): Cochlospermum gregorii (50%), Corymbia hylandii (5, 50%), Eucalyptus cullenii (5, 50%), Terminalia aridicola subsp. chillagoensis (1, 50%), Terminalia platyptera (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

Stratum: S1

Height avg. = 3.5m, range 2-5m, 2 sites

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

Stem density/ha avg. = 470, range 140-800, 2 sites

Dominant species (relative cover, frequency): Melaleuca viridiflora (78, 50%), Grevillea mimosoides (70, 50%), Dolichandrone heterophylla (4, 50%), Lamprolobium fruticosum (4, 50%), Melaleuca citrolens (4, 50%)

Frequent species (cover, frequency): Terminalia platyptera (100%), Acacia bidwillii (50%), Carissa lanceolata (50%), Cochlospermum gregorii (50%), Corymbia hylandii (50%), Dolichandrone heterophylla (50%), Erythrophleum chlorostachys (50%), Eucalyptus cullenii (50%), Grevillea mimosoides (50%), Lamprolobium fruticosum (50%), Maytenus cunninghamii (50%), Melaleuca citrolens (50%), Melaleuca viridiflora (50%), Petalostigma banksii (50%), Planchonia careya (50%), Terminalia aridicola subsp. chillagoensis (50%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.5m, 2 sites

PFC avg. = 24.5%, range 22-27%, 2 sites

Dominant species (relative cover, frequency): Themeda quadrivalvis (35, 50%), Aristida hygrometrica (27, 50%), Schizachyrium fragile (19, 100%), Aristida warburgii (17, 50%), Lamprolobium fruticosum (15, 50%)*

Frequent species (cover, frequency): GRAMINOIDS: Sarga plumosum (1, 100%), Schizachyrium fragile (5, 100%), Scleria brownii (1, 100%), Setaria surgens (100%), Aristida hygrometrica (7, 50%), Aristida indet. (50%), Aristida pruinosa (50%), Aristida warburgii (4, 50%), Cyperus indet. (2, 50%), Ectrosia confusa (1, 50%), Eragrostis fallax (50%), Eriachne armitii (50%), Eriachne ciliata (1, 50%), Eriachne obtusa (50%), Eriachne stipacea (50%), Heteropogon contortus (2, 50%), Heteropogon triticeus (50%), Mnesithea formosa (50%), Panicum indet. (1, 50%), Pseudopogonatherum irritans (50%), Themeda quadrivalvis (8, 50%), Urochloa indet. (1, 50%)*

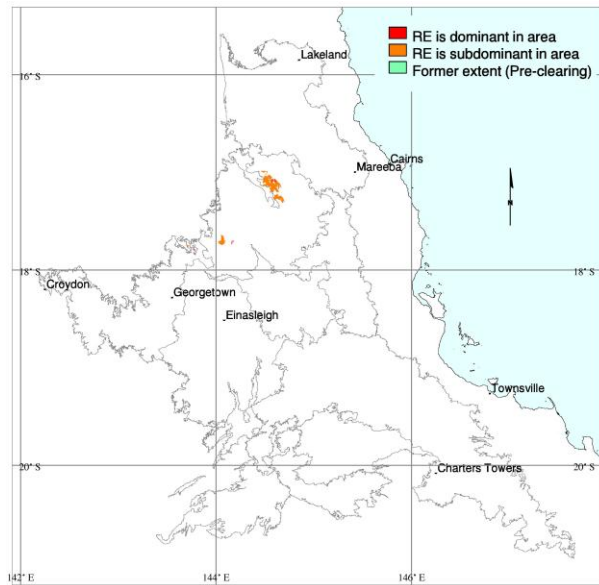
FORBS: Heliotropium peninsulare (100%), Hibiscus meraukensis (100%), Phyllanthus virgatus (100%), Alphitonia pomaderroides (50%), Alysicarpus ovalifolius (50%), Cheilanthes indet. (50%), Clematicissus opaca (50%), Dendrolobium arbuscula (50%), Desmodium indet. (50%), Euphorbia tannensis (50%), Grewia retusifolia (50%), Hyptis suaveolens* (50%), Indigofera linnaei (50%), Indigofera pratensis (50%), Ipomoea indet. (50%), Lamprolobium fruticosum (4, 50%), Mitracarpus hirtus* (50%), Pterocaulon redolens (50%), Stylosanthes indet. (50%), Tephrosia filipes (50%), Waltheria indica (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

Macropteranthes montana low open-forest on igneous geologies



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,135 3,105 99%

Species recorded: Total: 86; woody: 17; ground: 69; Avg. spp./site: 48.0; std dev.: 19.0, 2 site(s)

Basal area: Avg./site: 10.5 m²/ha, range: 8.0 - 13 m²/ha, std. deviation: 3 m²/ha, 2 site(s)

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

Representative sites: 26389, 27056.

Stratum: T1

Height avg. = 6.5m, range 6-7m, 2 sites

Crown cover avg. = 46.7%, range 33.7-59.7%, 2 sites

Stem density/ha avg. = 530, range 520-540, 2 sites

Dominant species (relative cover, frequency): Macropteranthes montana (78, 100%), Melaleuca citrolens (21, 100%), Denhamia oleaster (2, 50%)

Frequent species (cover, frequency): Macropteranthes montana (32, 100%), Melaleuca citrolens (11, 100%), Denhamia oleaster (1, 50%), Terminalia aridicola (50%), Terminalia platyptera (50%)

Stratum: T2

Height avg. = 4.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): Terminalia aridicola (94, 50%), Melaleuca citrolens (3, 50%), Macropteranthes montana (3, 50%)

Frequent species (cover, frequency): Macropteranthes montana (50%), Melaleuca citrolens (50%), Terminalia aridicola (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

Stratum: S1

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

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

Stem density/ha avg. = 820, range 640-1000, 2 sites

Dominant species (relative cover, frequency): *Carissa lanceolata* (69, 100%), *Macropteranthes montana* (5, 50%), *Acacia indet.* (5, 50%), *Maytenus indet.* (5, 50%), *Denhamia oleaster* (5, 50%)

Frequent species (cover, frequency): *Carissa lanceolata* (1, 100%), *Melaleuca citrolens* (100%), *Terminalia aridicola* (100%), *Acacia bidwillii* (50%), *Acacia indet.* (50%), *Brachychiton chillagoensis* (50%), *Denhamia oleaster* (50%), *Dichrostachys spicata* (50%), *Diospyros indet.* (50%), *Dolichandrone heterophylla* (50%), *Exocarpos latifolius* (50%), *Macropteranthes montana* (50%), *Maytenus indet.* (50%), *Santalum lanceolatum* (50%), *Strychnos lucida* (50%), *Terminalia platyptera* (50%), *Xylomelum scottianum* (50%)

Stratum: G

Height avg. = 0.3m, range 0.2-0.3m, 2 sites

PFC avg. = 38.0%, range 35-41%, 2 sites

Dominant species (relative cover, frequency): *Grewia retusifolia* (31, 50%), *Panicum mitchellii* (17, 50%), *Indigofera colutea* (13, 50%), *Spermacoce indet.* (13, 50%), *Schizachyrium fragile* (6, 100%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida indet.* (100%), *Cyperus indet.* (100%), *Schizachyrium fragile* (2, 100%), *Alloteropsis cimicina* (50%), *Aristida ingrata* (50%), *Cyperaceae indet.* (50%), *Digitaria brownii* (50%), *Ectrosia indet.* (50%), *Eragrostis cumingii* (1, 50%), *Eragrostis speciosa* (50%), *Eragrostis tenellula* (1, 50%), *Heteropogon contortus* (50%), *Panicum indet.* (50%), *Panicum mitchellii* (7, 50%), *Scleria brownii* (50%), *Scleria indet.* (50%), *Themeda arguens* (50%), *Themeda indet.* (50%), *Tripogon loliiformis* (50%), *Urochloa holosericea* (1, 50%)

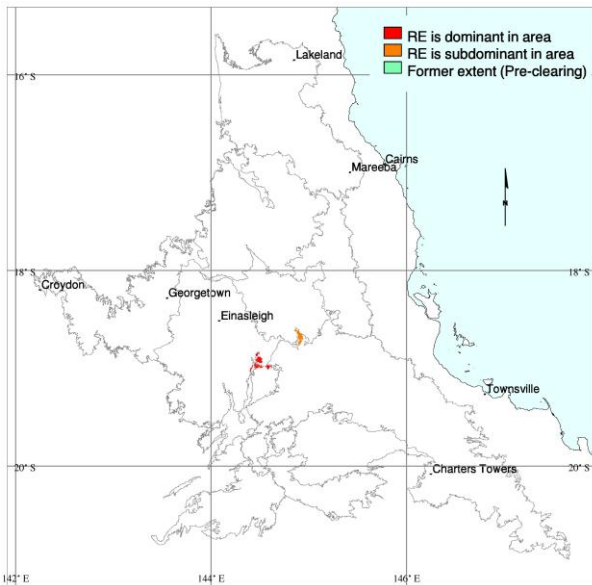
FORBS: *Evolvulus alsinoides* (100%), *Rostellularia adscendens* (100%), *Zornia indet.* (100%), *Acanthaceae indet.* (50%), *Alysicarpus schomburgkii* (50%), *Bidens indet.* (50%), *Calandrinia uniflora* (50%), *Capparis indet.* (50%), *Cayratia trifolia* (50%), *Chamaecrista indet.* (50%), *Cheilanthes prenticei* (50%), *Cheilanthes sieberi subsp. sieberi* (50%), *Commelina ensifolia* (50%), *Commelina indet.* (50%), *Crotalaria medicaginea* (50%), *Crotalaria montana* (50%), *Desmodium indet.* (50%), *Euphorbia indet.* (50%), *Glycine indet.* (50%), *Gomphrena indet.* (50%), *Goodenia indet.* (50%), *Grewia indet.* (50%), *Grewia retusifolia* (12, 50%), *Heliotropium indet.* (50%), *Hibiscus indet.* (50%), *Hibiscus meraukensis* (50%), *Indigofera colutea* (5, 50%), *Ipomoea plebeia* (50%), *Ipomoea polymorpha* (50%), *Malvastrum americanum var. americanum** (50%), *Murdannia graminea* (50%), *Neptunia indet.* (50%), *Oldenlandia mitrasacmoides* (50%), *Parsonsia indet.* (50%), *Phyllanthus virgatus* (50%), *Polycarpaea spirostylis* (50%), *Portulaca bicolor* (50%), *Portulaca indet.* (50%), *Sarcostemma indet.* (50%), *Sida spinosa** (50%), *Spermacoce brachystema* (50%), *Spermacoce indet.* (5, 50%), *Stylosanthes indet.* (50%), *Stylosanthes scabra** (50%), *Tacca leontopetaloides* (50%), *Tephrosia indet.* (50%), *Tinospora smilacina* (50%), *Tribulus indet.* (50%), *Vicia 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 confertiflora and Eucalyptus crebra +/- C. clarksoniana open-woodland on rolling igneous hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 7,412 7,324 99%

Species recorded: Total: 59; woody: 9; ground: 52; Avg. spp./site: 31.0; std dev.: 7.0, 2 site(s)

Basal area: Avg./site: 3.5 m²/ha, range: 2.5 - 5 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

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

Representative sites: 26189, 37332.

Stratum: T1

Height avg. = 17.0m, range 16-18m, 2 sites

Crown cover avg. = 20.9%, range 1.6-40.2%, 2 sites

Stem density/ha avg. = 90, range 80-100, 2 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (88, 100%), Corymbia clarksoniana (9, 50%), Corymbia confertiflora (8, 100%)

Frequent species (cover, frequency): Corymbia confertiflora (2, 100%), Eucalyptus crebra (13, 100%), Corymbia clarksoniana (3, 50%), Grevillea glauca (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 clarksoniana (96, 50%), Eucalyptus crebra (1, 50%), Corymbia confertiflora (1, 50%), Bursaria incana (1, 50%)

Frequent species (cover, frequency): Bursaria incana (50%), Corymbia clarksoniana (1, 50%), Corymbia confertiflora (50%), Eucalyptus crebra (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. = 2.0m, range 2-2m, 2 sites

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

Stem density/ha avg. = 150, range 120-180, 2 sites

Dominant species (relative cover, frequency): Corymbia confertiflora (38, 100%), Grevillea striata (20, 50%), Carissa lanceolata (20, 50%), Atalaya hemiglauca (20, 50%), Eucalyptus crebra (16, 100%)

Frequent species (cover, frequency): Corymbia confertiflora (100%), Eucalyptus crebra (100%), Atalaya hemiglauca (50%), Bursaria incana (50%), Carissa lanceolata (50%), Corymbia clarksoniana (50%), Grevillea striata (50%), Maytenus cunninghamii (50%)

Stratum: G

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

PFC avg. = 32.5%, range 0-65%, 2 sites

Dominant species (relative cover, frequency): Aristida indet. (36, 50%), Heteropogon contortus (26, 100%), Pennisetum ciliare (23, 50%), Stylosanthes humilis* (14, 50%), Cyperus indet. (12, 50%)*

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (16, 100%), Aristida indet. (19, 50%), Aristida ingrata (1, 50%), Aristida superpendens (50%), Bothriochloa indet. (2, 50%), Chloris virgata (50%), Chrysopogon fallax (5, 50%), Cyperus indet. (6, 50%), Digitaria ammophila (50%), Elionurus citreus (50%), Eriachne obtusa (50%), Fimbristylis dichotoma (1, 50%), Heteropogon triticeus (50%), Melinis repens* (2, 50%), Mnesithea formosa (2, 50%), Panicum decompositum var. tenuius (2, 50%), Panicum effusum var. effusum (50%), Pennisetum ciliare* (12, 50%), Poaceae indet. (2, 50%), Schizachyrium fragile (6, 50%), Scleria brownii (50%)*

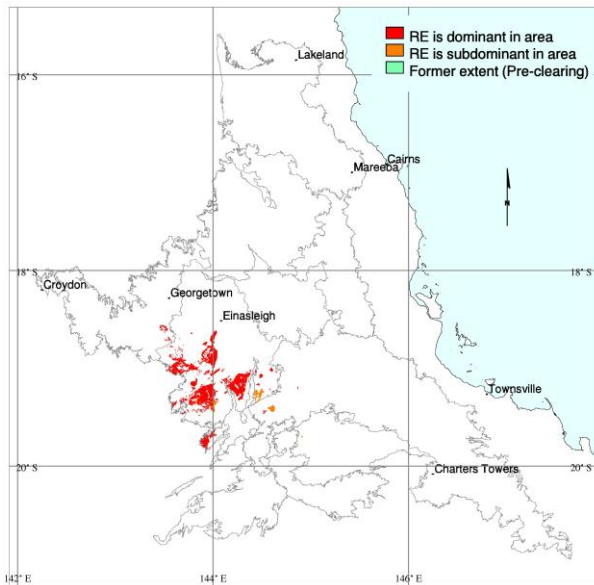
FORBS: Acacia bidwillii (50%), Alternanthera nana (50%), Aphyllodium biarticulatum (50%), Blumea saxatilis (50%), Brunoniella australis (50%), Buchnera linearis (50%), Chamaecrista absus (2, 50%), Chrysocephalum apiculatum (50%), Crotalaria medicaginea var. medicaginea (50%), Denhamia oleaster (50%), Desmodium filiforme (1, 50%), Evolvulus alsinoides (1, 50%), Galactia tenuiflora (2, 50%), Glycine tomentella (50%), Gomphrena celosoides (50%), Goodenia armitiana (50%), Grevillea striata (50%), Grewia retusifolia (50%), Indigofera pratensis (50%), Malvastrum americanum var. americanum* (50%), Mitracarpus hirtus* (50%), Polycarpaea indet. (50%), Sida hackettiana (50%), Spermaceae indet. (50%), Stylosanthes humilis* (9, 50%), Stylosanthes indet. (50%), Stylosanthes scabra* (5, 50%), Tephrosia filipes (1, 50%), Waltheria indica (50%), Zornia muelleriana subsp. muelleriana (50%), Zornia muriculata subsp. angustata (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/or E. whitei +/- Corymbia erythrophloia open-woodland on steep to rolling hills on igneous rocks



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 160,412 159,954 100%

Species recorded: Total: 128; woody: 25; ground: 107; Avg. spp./site: 21.4; std dev.: 7.7, 9 site(s)

Basal area: Avg./site: 5.1 m²/ha, range: 1.0 - 10 m²/ha, std. deviation: 3 m²/ha, 9 site(s)

Structural formation: Open-woodland: 67%; woodland: 33%, 9 site(s)

Representative sites: 26306, 26708, 26847, 26862, 26875, 26881, 26916, 26925, 37346.

Stratum: T1

Height avg. = 15.2m, range 13-20m, 9 sites

Crown cover avg. = 15.4%, range 1.6-44.4%, 9 sites

Stem density/ha avg. = 104, range 40-160, 5 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (98, 78%), Eucalyptus whitei (90, 22%), Corymbia erythrophloia (7, 33%)

Frequent species (cover, frequency): Eucalyptus crebra (9, 78%), Corymbia dallachiana (33%), Corymbia erythrophloia (3, 33%), Eucalyptus whitei (29, 22%), Brachychiton diversifolius (11%), Brachychiton populneus (11%), Corymbia clarksoniana (1, 11%), Corymbia pocillum (11%), Cymbidium indet. (11%), Erythroxylum ellipticum (11%), Eucalyptus microneura (11%)

Stratum: T2

Height avg. = 5.5m, range 4-8m, 4 sites

Crown cover avg. = 1.1%, range 0.0-2.9%, 4 sites

Stem density/ha avg. = 280, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (53, 33%)

Frequent species (cover, frequency): Eucalyptus crebra (1, 33%), Brachychiton populneus (1, 11%), Callitris intratropica (11%), Corymbia erythrophloia (11%), Grevillea glauca (1, 11%), Grevillea parallela (11%)

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 1-5m, 8 sites

Crown cover avg. = 0.4%, range 0.0-2.9%, 8 sites

Stem density/ha avg. = 387, range 240-620, 3 sites

Dominant species (relative cover, frequency): *Carissa lanceolata* (54, 22%), *Eucalyptus crebra* (47, 33%), *Bursaria incana* (27, 22%), *Maytenus cunninghamii* (23, 56%), *Corymbia erythrophloia* (17, 56%)

Frequent species (cover, frequency): *Corymbia erythrophloia* (56%), *Maytenus cunninghamii* (56%), *Eucalyptus crebra* (1, 33%), *Bursaria incana* (22%), *Carissa lanceolata* (22%), *Eucalyptus whitei* (22%), *Acacia bidwillii* (11%), *Acacia farnesiana** (11%), *Acacia victoriae subsp. victoriae* (11%), *Atalaya hemiglaucula* (11%), *Callitris intratropica* (11%), *Carissa ovata* (11%), *Corymbia dallachiana* (11%), *Dolichandrone heterophylla* (11%), *Erythroxylum ellipticum* (11%), *Grevillea parallela* (11%), *Petalostigma banksii* (11%), *Santalum lanceolatum* (11%)

Stratum: G

Height avg. = 0.4m, range 0.1-0.6m, 9 sites

PFC avg. = 59.0%, range 18-90%, 9 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (51, 89%), *Themeda triandra* (24, 22%), *Schizachyrium indet.* (14, 22%), *Dichanthium indet.* (12, 22%), *Schizachyrium fragile* (12, 33%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (28, 89%), *Aristida indet.* (5, 44%), *Bothriochloa indet.* (4, 33%), *Panicum indet.* (33%), *Schizachyrium fragile* (9, 33%), *Aristida perniciosus* (22%), *Chrysopogon fallax* (2, 22%), *Cyperus bifax* (22%), *Dichanthium indet.* (10, 22%), *Echinochloa colona** (22%), *Enneapogon polyphyllus* (1, 22%), *Eragrostis indet.* (2, 22%), *Melinis repens** (22%), *Ophiuros exaltatus* (8, 22%), *Schizachyrium indet.* (10, 22%), *Themeda quadrivalvis** (22%), *Themeda triandra* (21, 22%), *Aristida calycina* (15, 11%), *Aristida calycina var. calycina* (11%), *Aristida holathera* (2, 11%), *Aristida hygrometrica* (11%), *Aristida queenslandica var. queenslandica* (6, 11%), *Arundinella setosa* (11%), *Bothriochloa decipiens* (10, 11%), *Bothriochloa pertusa** (30, 11%), *Capillipedium indet.* (1, 11%), *Capillipedium parviflorum* (6, 11%), *Cymbopogon obtectus* (1, 11%), *Cyperus gilesii* (11%), *Digitaria ammophila* (11%), *Digitaria nematostachya* (11%), *Enneapogon cylindricus* (11%), *Enneapogon lindleyanus* (11%), *Eragrostis cumingii* (11%), *Eriachne indet.* (11%), *Eriachne mucronata* (1, 11%), *Fimbristylis dichotoma* (11%), *Fimbristylis indet.* (11%), *Heteropogon triticeus* (20, 11%), *Iseilema indet.* (11%), *Iseilema vaginiflorum* (10, 11%), *Perotis rara* (5, 11%), *Sarga plumosum* (2, 11%), *Scleria brownii* (1, 11%), *Setaria indet.* (11%), *Setaria surgens* (11%), *Sporobolus caroli* (11%), *Urochloa panicoides var. pubescens** (5, 11%), *Yakirra pauciflora* (11%)

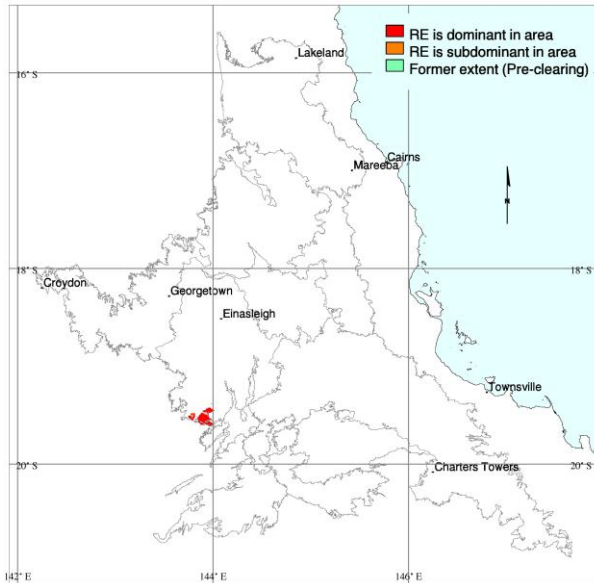
FORBS: *Grewia retusifolia* (44%), *Indigofera indet.* (2, 33%), *Asteraceae indet.* (22%), *Evolvulus alsinoides* (1, 22%), *Glycine tomentella* (22%), *Heliotropium indet.* (22%), *Hibiscus meraukensis* (22%), *Indigofera linnaei* (2, 22%), *Malvastrum americanum** (22%), *Rhynchosia minima* (22%), *Spermacoce indet.* (22%), *Stylosanthes indet.* (1, 22%), *Stylosanthes scabra** (1, 22%), *Alternanthera nodiflora* (11%), *Bidens pilosa** (11%), *Brunoniella australis* (4, 11%), *Chamaecrista absus var. absus* (11%), *Chamaecrista concinna* (1, 11%), *Chamaecrista indet.* (11%), *Chamaesyce vachellii* (11%), *Cheilanthes indet.* (11%), *Chrysocephalum indet.* (11%), *Corchorus indet.* (11%), *Corymbia clarksoniana* (11%), *Cyanthillium cinereum* (11%), *Desmodium pullenii* (11%), *Euphorbia indet.* (11%), *Galactia tenuiflora var. lucida* (11%), *Glycine clandestina* (11%), *Glycine indet.* (11%), *Goodenia indet.* (11%), *Helichrysum indet.* (11%), *Hibiscus indet.* (11%), *Indigofera hirsuta* (11%), *Indigofera pratensis* (11%), *Ipomoea lonchophylla* (11%), *Lomandra filiformis* (11%), *Lomandra multiflora* (11%), *Malvastrum americanum var. americanum** (11%), *Peripleura hispidula var. hispidula* (11%), *Phyllanthus indet.* (11%), *Phyllanthus simplex serrulatum* (11%), *Polycarpaea corymbosa* (11%), *Polygala longifolia* (11%), *Polymeria longifolia* (11%), *Pterocaulon serrulatum var. serrulatum* (11%), *Pterocaulon sphacelatum* (11%), *Rostellularia adscendens* (1, 11%), *Sesbania cannabina* (11%), *Sida atherophora* (11%), *Spermacoce brachystema* (11%), *Tephrosia filipes* (10, 11%), *Tephrosia indet.* (1, 11%), *Trichodesma zeylanicum* (11%), *Uraria lagopodioides* (11%), *Zornia indet.* (11%), *Zornia muriculata* (11%), *Zornia stirlingii* (11%)

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 E. similis +/- Callitris intratropica low open-woodland on hills on igneous rocks



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 20,532 20,466 100%

Species recorded: Total: 27; woody: 13; ground: 15; Avg. spp./site: 27.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 6.5 m²/ha, range: 6.5 - 7 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 100%, 1 site(s)

Representative sites: 26860.

Stratum: T1

Height avg. = 10.0m, 1 site

Crown cover avg. = 15.9%, 1 site

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (91, 100%), Eucalyptus similis (7, 100%), Terminalia aridicola (1, 100%)

Frequent species (cover, frequency): Eucalyptus crebra (14, 100%), Eucalyptus similis (1, 100%), Terminalia aridicola (100%)

Stratum: S1

Height avg. = 2.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Terminalia aridicola (8, 100%), Petalostigma banksii (8, 100%), Persoonia falcata (8, 100%), Maytenus cunninghamii (8, 100%), Grevillea parallela (8, 100%)

Frequent species (cover, frequency): Acacia julifera (100%), Alphitonia excelsa (100%), Bursaria incana (100%), Callitris intratropica (100%), Capparis indet. (100%), Eucalyptus crebra (100%), Eucalyptus similis (100%), Grevillea glauca (100%), Grevillea parallela (100%), Maytenus cunninghamii (100%), Persoonia falcata (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. = 0.2m, 1 site

PFC avg. = 54.0%, 1 site

Dominant species (relative cover, frequency): Schizachyrium indet. (39, 100%), Heteropogon contortus (17, 100%), Capillipedium parviflorum (15, 100%), Aristida inaequiglumis (11, 100%), Aristida indet. (9, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Aristida inaequiglumis (6, 100%), Aristida indet. (5, 100%), Capillipedium parviflorum (8, 100%), Chrysopogon indet. (1, 100%), Eriachne ciliata (100%), Heteropogon contortus (10, 100%), Rhynchospora indet. (100%), Schizachyrium indet. (21, 100%), Scleria indet. (2, 100%)

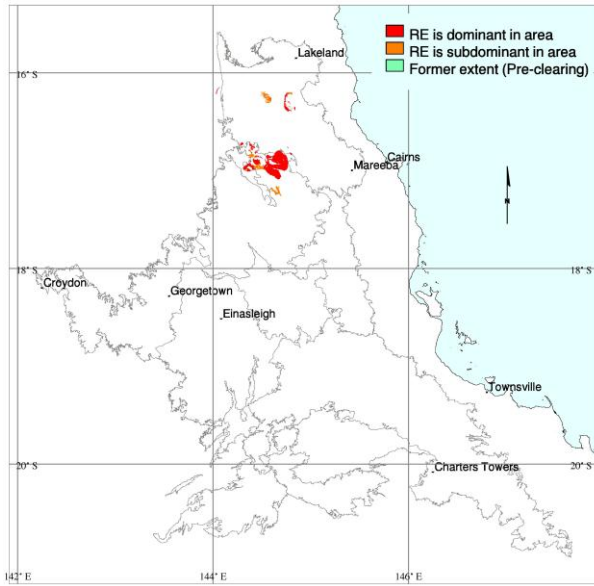
FORBS: Asteraceae indet. (100%), Eucalyptus crebra (1, 100%), Gastrolobium grandiflorum (100%), Lomandra indet. (100%), Spermacoe indet. (1, 100%), Wahlenbergia indet. (100%)

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 staigeriana +/- Erythrophleum chlorostachys low open-woodland on hills on igneous rocks



G.W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 40,375 40,368 100%

Species recorded: Total: 45; woody: 22; ground: 26; Avg. spp./site: 25.5; std dev.: 5.5, 2 site(s)

Basal area: Avg./site: 9.5 m²/ha, range: 6.5 - 13 m²/ha, std. deviation: 3 m²/ha, 2 site(s)

Structural formation: Low open-woodland: 100%, 2 site(s)

Representative sites: 26962, 26985.

Stratum: T1

Height avg. = 7.5m, range 7-8m, 2 sites

Crown cover avg. = 7.9%, range 6.1-9.8%, 2 sites

Stem density/ha avg. = 420, range 240-600, 2 sites

Dominant species (relative cover, frequency): Eucalyptus staigeriana (62, 100%), Corymbia ellipsoidea (29, 50%), Terminalia aridicola subsp. chillagoensis (19, 50%), Erythrophleum chlorostachys (13, 50%), Erythroxylum ellipticum (8, 50%)

Frequent species (cover, frequency): Cochlospermum gillivraei (100%), Eucalyptus staigeriana (7, 100%), Acacia bidwillii (50%), Acacia leptostachya (50%), Brachychiton indet. (50%), Corymbia ellipsoidea (5, 50%), Corymbia erythrophloia (50%), Corymbia leichhardtii (1, 50%), Erythrophleum chlorostachys (1, 50%), Erythroxylum ellipticum (50%), Terminalia aridicola subsp. chillagoensis (1, 50%), Terminalia platyptera (50%), Wrightia saligna (50%)

Stratum: S1

Height avg. = 2.3m, range 1.5-3m, 2 sites

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

Stem density/ha avg. = 600, range 140-1060, 2 sites

Dominant species (relative cover, frequency): Eucalyptus staigeriana (43, 100%), Corymbia erythrophloia (14, 50%), Clerodendrum floribundum (14, 50%), Cochlospermum gillivraei (14, 50%), Grevillea mimosoides (14, 50%)

Frequent species (cover, frequency): Eucalyptus staigeriana (100%), Petalostigma banksii (100%), Acacia bidwillii (50%), Acacia chisholmii (50%), Acacia galioides (50%), Acacia indet. (50%), Capparis indet. (50%), Cassytha filiformis (50%), Clerodendrum floribundum (50%), Cochlospermum gillivraei (50%), Corymbia ellipsoidea (50%), Corymbia erythrophloia (50%), Grevillea dryandri (50%), Grevillea mimosoides (50%), Terminalia aridicola subsp. chillagoensis (50%), Terminalia platyptera (50%), Wrightia saligna (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. = 0.6m, range 0.3-0.8m, 2 sites

PFC avg. = 34.0%, range 30-38%, 2 sites

Dominant species (relative cover, frequency): *Schizachyrium fragile* (40, 100%), *Aristida holathera* (27, 50%), *Heteropogon triticeus* (22, 50%), *Aristida indet.* (16, 50%), *Themeda triandra* (11, 100%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (3, 100%), *Schizachyrium fragile* (13, 100%), *Themeda triandra* (4, 100%), *Aristida holathera* (11, 50%), *Aristida indet.* (5, 50%), *Aristida ingrata* (1, 50%), *Chrysopogon fallax* (50%), *Eriachne indet.* (50%), *Heteropogon triticeus* (9, 50%), *Sarga plumosum* (2, 50%), *Setaria surgens* (50%), *Triodia stenostachya* (50%)

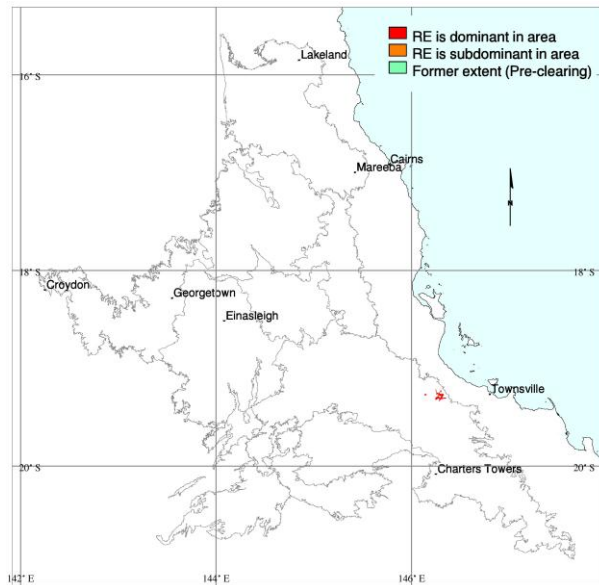
FORBS: *Cheilanthes indet.* (50%), *Grewia retusifolia* (50%), *Haemodorum coccineum* (50%), *Heliotropium peninsulare* (1, 50%), *Hyptis suaveolens** (50%), *Indigofera pratensis* (50%), *Ipomoea coptica* (50%), *Jacksonia indet.* (50%), *Malvastrum americanum** (50%), *Mitracarpus hirtus** (50%), *Rostellularia adscendens* (50%), *Tephrosia indet.* (50%), *Teucrium indet.* (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 crebra and Corymbia dallachiana +/- C. erythrophloia open-woodland on pre-Cainozoic basalt loams and flats to undulating plains



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 4,315 4,237 98%

Species recorded: Total: 28; woody: 4; ground: 25; Avg. spp./site: 18.0; std dev.: 1.0, 2 site(s)

Basal area: Avg./site: 5.8 m²/ha, range: 1.0 - 11 m²/ha, std. deviation: 5 m²/ha, 2 site(s)

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

Representative sites: 27107, 27108.

Stratum: T1

Height avg. = 19.0m, range 18-20m, 2 sites

Crown cover avg. = 27.0%, range 20.3-33.7%, 2 sites

Stem density/ha avg. = 120, range 100-140, 2 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (68, 100%), Corymbia dallachiana (32, 100%)

Frequent species (cover, frequency): Corymbia dallachiana (8, 100%), Eucalyptus crebra (15, 100%), Corymbia erythrophloia (50%)

Stratum: S1

Height avg. = 1.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 80, 1 site

Dominant species (relative cover, frequency): Senna indet. (50, 50%), Eucalyptus crebra (50, 50%)

Frequent species (cover, frequency): Eucalyptus crebra (50%), Senna 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

Stratum: G

Height avg. = 0.4m, range 0.3-0.5m, 2 sites

PFC avg. = 84.0%, range 81-87%, 2 sites

Dominant species (relative cover, frequency): *Aristida calycina* (90, 50%), *Dichanthium sericeum* (29, 100%), *Themeda triandra* (18, 50%), *Heteropogon contortus* (7, 50%), *Digitaria blakei* (6, 50%)

Frequent species (cover, frequency): GRAMINOIDS: *Chrysopogon fallax* (5, 100%), *Dichanthium sericeum* (26, 100%), *Aristida calycina* (74, 50%), *Digitaria blakei* (5, 50%), *Enneapogon pallidus* (50%), *Eragrostis indet.* (50%), *Heteropogon contortus* (6, 50%), *Themeda triandra* (16, 50%)

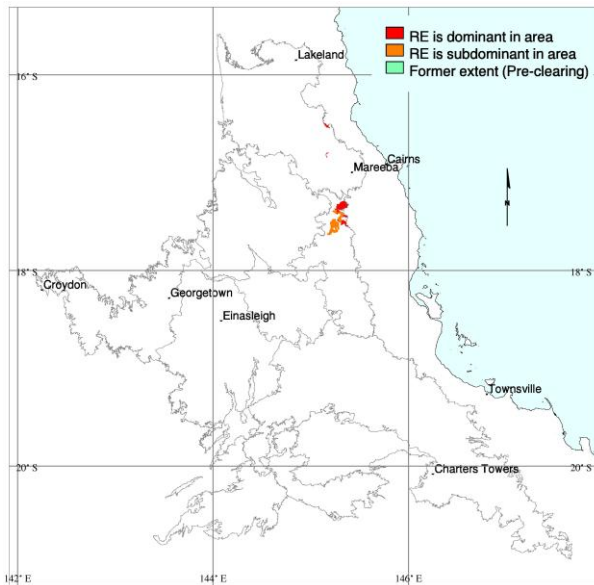
FORBS: *Grewia retusifolia* (100%), *Indigofera hirsuta* (100%), *Stylosanthes indet.* (4, 100%), *Wedelia indet.* (100%), *Angiosperm indet.* (50%), *Asteraceae indet.* (50%), *Boerhavia indet.* (50%), *Crotalaria indet.* (50%), *Dianella indet.* (50%), *Euphorbia indet.* (50%), *Euphorbiaceae indet.* (50%), *Fabaceae indet.* (50%), *Glycine indet.* (50%), *Indigofera linifolia* (50%), *Rostellularia adscendens* (50%), *Salsola kali* (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 atrata +/- Corymbia citriodora +/- E. portuensis woodland on mountains and hills on igneous rocks



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 19,409 18,984 98%

Species recorded: Total: 59; woody: 31; ground: 30; Avg. spp./site: 32.0; std dev.: 3.0, 2 site(s)

Basal area: Avg./site: 9.4 m²/ha, range: 8.8 - 10 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

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

Representative sites: 26993, 37126.

Stratum: T1

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

Crown cover avg. = 16.0%, range 13.8-18.1%, 2 sites

Stem density/ha avg. = 300, range 240-360, 2 sites

Dominant species (relative cover, frequency): *Eucalyptus atrata* (96, 100%), *Corymbia clarksoniana* (3, 100%)

Frequent species (cover, frequency): *Corymbia clarksoniana* (1, 100%), *Eucalyptus atrata* (15, 100%), *Acacia calyculata* (50%), *Callitris intratropica* (50%), *Corymbia leichhardtii* (50%), *Eucalyptus mediocris* (50%), *Eucalyptus pachycalyx* (50%)

Stratum: S1

Height avg. = 1.4m, range 0.7-2m, 2 sites

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

Stem density/ha avg. = 950, range 500-1400, 2 sites

Dominant species (relative cover, frequency): *Acacia calyculata* (81, 50%), *Eucalyptus atrata* (22, 100%), *Acacia flavescens* (15, 50%), *Corymbia leichhardtii* (8, 50%), *Grevillea glauca* (3, 50%)

Frequent species (cover, frequency): *Corymbia clarksoniana* (100%), *Eucalyptus atrata* (100%), *Persoonia falcata* (100%), *Xanthorrhoea johnsonii* (100%), *Acacia calyculata* (1, 50%), *Acacia flavescens* (50%), *Alphitonia excelsa* (50%), *Bursaria incana* (50%), *Capparis lasiantha* (50%), *Corymbia leichhardtii* (50%), *Cycas platyphylla* (50%), *Eucalyptus pachycalyx* (50%), *Gardenia vilhelmii* (50%), *Gastrolobium grandiflorum* (50%), *Grevillea glauca* (50%), *Grevillea parallela* (50%), *Homalium brachybotrys* (50%), *Larsenaikia ochreatea* (50%), *Maytenus cunninghamii* (50%), *Petalostigma pubescens* (50%), *Platysace valida* (50%), *Pouteria sericea* (50%), *Xylomelum 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

Stratum: S2

Height avg. = 1.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 1160, 1 site

Dominant species (relative cover, frequency): Jacksonia thesioides (14, 50%), Eucalyptus pachycalyx (14, 50%), Dodonaea indet. (14, 50%), Distichostemon dodecandrus (14, 50%), Breynia oblongifolia (14, 50%)

Frequent species (cover, frequency): Acacia nuperrima (50%), Boronia indet. (50%), Breynia oblongifolia (50%), Distichostemon dodecandrus (50%), Dodonaea indet. (50%), Eucalyptus pachycalyx (50%), Jacksonia thesioides (50%)

Stratum: G

Height avg. = 0.3m, range 0.3-0.3m, 2 sites

PFC avg. = 22.0%, range 22-22%, 2 sites

Dominant species (relative cover, frequency): Themeda triandra (77, 50%), Heteropogon triticeus (29, 100%), Eragrostis indet. (27, 50%), Scleria indet. (8, 50%), Helichrysum newcastlianum (7, 50%)

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon triticeus (6, 100%), Arundinella indet. (50%), Arundinella setosa (50%), Capillipedium indet. (1, 50%), Eragrostis indet. (6, 50%), Eriachne indet. (50%), Melinis repens (50%), Panicum indet. (50%), Schizachyrium indet. (50%), Scleria indet. (2, 50%), Themeda triandra (18, 50%)*

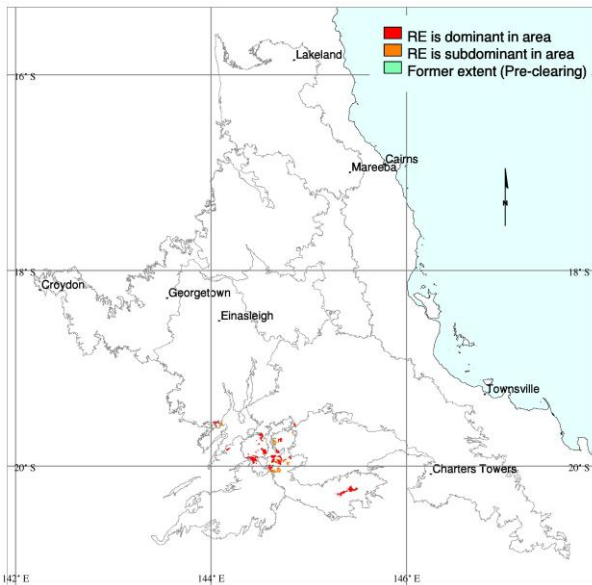
FORBS: Acacia calyculata (50%), Apiaceae indet. (50%), Cartonema indet. (1, 50%), Cheilanthes indet. (50%), Dianella longifolia (50%), Galactia indet. (50%), Haemodorum indet. (50%), Helichrysum newcastlianum (1, 50%), Hibbertia indet. (50%), Indigofera linifolia (50%), Lomandra multiflora subsp. multiflora (50%), Phyllanthus virgatus (50%), Plectranthus indet. (50%), Rostellularia indet. (50%), Sauropus indet. (50%), Spermacece indet. (50%), Tephrosia filipes (50%), Tricoryne indet. (50%), Xanthorrhoea johnsonii (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 or E. exilipes +/- Corymbia citriodora +/- C. peltata open-woodland on granites with thin sand sheet



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 22,742 22,672 100%

Species recorded: Total: 154; woody: 64; ground: 95; Avg. spp./site: 37.3; std dev.: 12.4, 7 site(s)

Basal area: Avg./site: 6.9 m²/ha, range: 2.8 - 11 m²/ha, std. deviation: 4 m²/ha, 2 site(s)

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

Representative sites: 25810, 25812, 25840, 25841, 25842, 26738, 26743.

Stratum: E

Height avg. = 20.0m, 1 site

Crown cover avg. = 9.8%, 1 site

Stem density/ha avg. = 20, 1 site

Frequent species (cover, frequency): Callitris intratropica (10, 14%)

Stratum: T1

Height avg. = 15.2m, range 10-18m, 7 sites

Crown cover avg. = 30.4%, range 9.8-79.2%, 7 sites

Stem density/ha avg. = 380, range 100-660, 2 sites

Dominant species (relative cover, frequency): Eucalyptus exilipes (64, 71%), Corymbia peltata (24, 86%), Corymbia citriodora (23, 71%), Corymbia trachyphloia subsp. trachyphloia (13, 29%), Eucalyptus crebra (13, 29%)

Frequent species (cover, frequency): Corymbia peltata (7, 86%), Corymbia citriodora (3, 71%), Eucalyptus exilipes (11, 71%), Corymbia trachyphloia subsp. trachyphloia (5, 29%), Eucalyptus crebra (10, 29%), Callitris intratropica (58, 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: T2

Height avg. = 7.3m, range 6-10m, 6 sites

Crown cover avg. = 9.9%, range 1.6-31.4%, 6 sites

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

Dominant species (relative cover, frequency): Eucalyptus shirleyi (50, 43%), Eucalyptus exserta (30, 29%), Persoonia falcata (13, 29%), Corymbia peltata (10, 43%), Bursaria incana (7, 29%)

Frequent species (cover, frequency): Corymbia peltata (1, 43%), Eucalyptus shirleyi (43%), Alphitonia excelsa (29%), Bursaria incana (29%), Eucalyptus crebra (29%), Eucalyptus exserta (29%), Persoonia falcata (1, 29%), Acacia indet. (14%), Callitris endlicheri (14%), Callitris intratropica (6, 14%), Drypetes deplanchei (14%), Ficus rubiginosa (14%), Geijera parviflora (14%), Grevillea glauca (14%), Grevillea pteridifolia (18, 14%), Leptospermum lamellatum (14%), Petalostigma banksii (14%), Petalostigma pubescens (14%), Santalum lanceolatum (14%)

Stratum: S1

Height avg. = 2.3m, range 1-5m, 7 sites

Crown cover avg. = 2.3%, range 0.0-6.1%, 7 sites

Stem density/ha avg. = 160, range 40-280, 2 sites

Dominant species (relative cover, frequency): Xanthorrhoea johnsonii (26, 43%), Acacia cowleana (18, 29%), Alphitonia excelsa (17, 29%), Acacia leptostachya (17, 29%), Pogonolobus reticulatus (12, 29%)

Frequent species (cover, frequency): Persoonia falcata (57%), Maytenus cunninghamii (43%), Maytenus disperma (43%), Xanthorrhoea johnsonii (43%), Acacia cowleana (29%), Acacia leptostachya (29%), Alphitonia excelsa (29%), Pogonolobus reticulatus (29%), Psydrax attenuata (29%), Acacia flavescens (3, 14%), Acacia humifusa (14%), Acacia longispicata (14%), Acacia multisiliqua (14%), Acacia polyadenia (14%), Acacia umbellata (14%), Alyxia spicata (14%), Amyema congener (14%), Beyeria viscosa (14%), Breynia oblongifolia (14%), Cajanus acutifolius (14%), Capparis canescens (14%), Dodonaea viscosa subsp. burmanniana (14%), Drypetes deplanchei (14%), Erythroxyllum australe (14%), Gastrolobium grandiflorum (14%), Grevillea glauca (14%), Grevillea parallela (14%), Grevillea pteridifolia (14%), Hovea lanceolata (14%), Hovea longipes (14%), Jasminum didymum (14%), Melichrus urceolatus (14%), Notelaea microcarpa (14%), Petalostigma banksii (14%), Petalostigma pubescens (14%), Santalum lanceolatum (14%), Senna indet. (14%)

Stratum: S2

Height avg. = 0.9m, range 0.8-1m, 2 sites

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

Stem density/ha avg. = 860, 1 site

Dominant species (relative cover, frequency): Xanthorrhoea johnsonii (28, 29%), Gastrolobium grandiflorum (28, 29%)

Frequent species (cover, frequency): Gastrolobium grandiflorum (29%), Xanthorrhoea johnsonii (29%), Alyxia spicata (14%), Boronia bipinnata (14%), Cassytha pubescens (14%), Dodonaea lanceolata var. lanceolata (14%), Hovea lanceolata (14%), Jacksonia rhadinoclona (14%), Keraudrenia collina (14%), Leptosema oxylobioides (14%), Maytenus disperma (14%), Notelaea microcarpa (14%), Peripleura scabra (14%), Platysace valida (14%), Pseudanthus ligulatus (14%), Senna aciphylla (14%), Solanum ellipticum (14%), Tephrosia purpurea (14%), Waltheria indica (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. = 0.5m, range 0.3-0.8m, 7 sites

PFC avg. = 29.1%, range 5-66%, 7 sites

Dominant species (relative cover, frequency): *Aristida queenslandica* var. *queenslandica* (31, 29%), *Themeda triandra* (23, 86%), *Aristida* *indet.* (22, 29%), *Schizachyrium fragile* (22, 43%), *Heteropogon contortus* (13, 57%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Themeda triandra* (6, 86%), *Cymbopogon bombycinus* (71%), *Arundinella nepalensis* (57%), *Chrysopogon fallax* (1, 57%), *Eriachne mucronata* (57%), *Heteropogon contortus* (3, 57%), *Schizachyrium fragile* (7, 43%), *Scleria sphacelata* (43%), *Alloteropsis semialata* (29%), *Aristida* *indet.* (15, 29%), *Aristida queenslandica* var. *queenslandica* (5, 29%), *Cleistochloa subjuncea* (29%), *Cymbopogon ambiguus* (1, 29%), *Heteropogon triticeus* (29%), *Melinis repens** (29%), *Sarga plumosum* (29%), *Triodia bitextura* (29%), *Abildgaardia* *indet.* (2, 14%), *Aristida benthamii* var. *spinulifera* (14%), *Aristida holathera* (14%), *Aristida jerichoensis* (5, 14%), *Aristida sciuroides* (14%), *Aristida spuria* (14%), *Aristida utilis* var. *utilis* (14%), *Cymbopogon refractus* (14%), *Digitaria brownii* (14%), *Digitaria parviflora* (14%), *Digitaria ramularis* (14%), *Enneapogon lindleyanus* (14%), *Eragrostiella* *indet.* (14%), *Eremochloa bimaculata* (14%), *Eriachne ciliata* (14%), *Eriachne obtusa* (14%), *Eriachne rara* (14%), *Fimbristylis* *indet.* (14%), *Panicum* *indet.* (1, 14%), *Paspalidium gracile* (14%), *Rhynchospora pterochaeta* (14%), *Scleria brownii* (14%), *Setaria surgens* (14%), *Tripogon loliiformis* (14%)

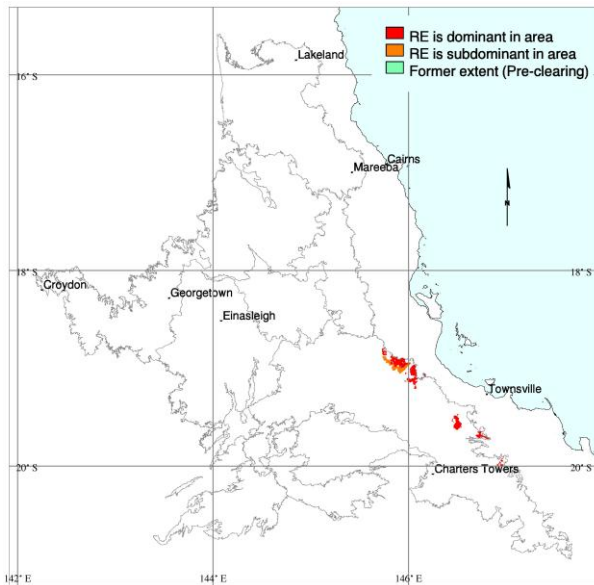
FORBS: *Cyanthillium cinereum* (71%), *Spermacoce brachystema* (57%), *Lomandra multiflora* subsp. *multiflora* (43%), *Chamaecrista mimosoides* (29%), *Cheilanthes distans* (29%), *Evolvulus alsinoides* (29%), *Glycine tomentella* (1, 29%), *Indigofera hirsuta* (29%), *Lomandra longifolia* (29%), *Peripleura hispidula* (29%), *Poranthera microphylla* (29%), *Stylidium eriorhizum* (29%), *Tephrosia filipes* (29%), *Wahlenbergia caryophylloides* (29%), *Zornia muriculata* (29%), *Acacia julifera* subsp. *curvinervia* (14%), *Blumea saxatilis* (14%), *Bursaria incana* (14%), *Capparis canescens* (14%), *Cheilanthes* *indet.* (14%), *Chrysocephalum apiculatum* (14%), *Crotalaria brevis* (1, 14%), *Crotalaria medicaginea* (14%), *Desmodium rhytidophyllum* (2, 14%), *Dianella longifolia* (14%), *Gonocarpus acanthocarpus* (14%), *Goodenia grandiflora* (14%), *Grewia retusifolia* (14%), *Helichrysum* *indet.* (14%), *Heliotropium* *indet.* (14%), *Hypericum gramineum* (14%), *Indigofera brevidens* var. *breviflora* (14%), *Indigofera* *indet.* (14%), *Indigofera linifolia* (14%), *Indigofera linnaei* (14%), *Lomandra filiformis* (14%), *Lomandra multiflora* (14%), *Maytenus cunninghamii* (14%), *Melhania oblongifolia* (14%), *Persicaria glabra** (14%), *Persoonia falcata* (14%), *Phyllanthus fuernrohrii* (14%), *Phyllanthus virgatus* (14%), *Polycarpaea corymbosa* (14%), *Pomax umbellata* (14%), *Pterocaulon sphacelatum* (14%), *Rostellularia adscendens* var. *hispida* (14%), *Rostellularia* *indet.* (14%), *Secamone elliptica* (14%), *Stackhousia* *indet.* (14%), *Tephrosia* *indet.* (14%), *Tephrosia leptoclada* (14%), *Trachymene bivestita* var. *bivestita* (14%), *Trachymene hookeri* (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 or E. granitica +/- Corymbia citriodora +/- E. portuensis mixed woodland on igneous hills



M. Edgington

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 40,816 40,715 100%

Species recorded: Total: 187; woody: 42; ground: 152; Avg. spp./site: 48.7; std dev.: 15.0, 7 site(s)

Basal area: Avg./site: 4.6 m²/ha, range: 3.0 - 7 m²/ha, std. deviation: 1 m²/ha, 7 site(s)

Structural formation: Woodland: 86%; low open-woodland: 14%, 7 site(s)

Representative sites: 26143, 26144, 26615, 26616, 26780, 26782, 27101.

Stratum: E

Height avg. = 17.5m, range 15-20m, 2 sites

Crown cover avg. = 0.8%, range 0.0-1.6%, 2 sites

Frequent species (cover, frequency): Corymbia citriodora (14%), Eucalyptus crebra (14%), Eucalyptus exserta (14%)

Stratum: T1

Height avg. = 14.3m, range 7-19m, 7 sites

Crown cover avg. = 29.3%, range 7.9-42.3%, 7 sites

Stem density/ha avg. = 100, range 20-220, 7 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (61, 29%), Eucalyptus portuensis (53, 43%), Corymbia citriodora (39, 57%), Corymbia leichhardtii (35, 29%), Eucalyptus granitica (30, 57%)

Frequent species (cover, frequency): Corymbia citriodora (8, 57%), Eucalyptus granitica (4, 57%), Eucalyptus portuensis (9, 43%), Corymbia leichhardtii (4, 29%), Eucalyptus crebra (20, 29%), Eucalyptus exserta (7, 14%), Eucalyptus melanophloia (1, 14%), Petalostigma pubescens (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: T2

Height avg. = 6.6m, range 2.5-10m, 7 sites

Crown cover avg. = 5.3%, range 0.0-9.8%, 7 sites

Stem density/ha avg. = 127, range 20-320, 6 sites

Dominant species (relative cover, frequency): *Corymbia leichhardtii* (43, 43%), *Petalostigma pubescens* (18, 43%), *Eucalyptus exserta* (15, 29%), *Corymbia abergiana* (15, 29%), *Eucalyptus granitica* (10, 29%)

Frequent species (cover, frequency): *Corymbia leichhardtii* (1, 43%), *Petalostigma pubescens* (1, 43%), *Corymbia abergiana* (29%), *Eucalyptus exserta* (29%), *Eucalyptus granitica* (29%), *Acacia leptostachya* (14%), *Angiosperm indet.* (14%), *Bursaria incana* (14%), *Corymbia citriodora* (14%), *Corymbia clarksoniana* (14%), *Corymbia lamprophylla* (2, 14%), *Eucalyptus melanophloia* (14%), *Eucalyptus portuensis* (14%), *Eucalyptus shirleyi* (1, 14%), *Larsenaikia ochreatea* (14%), *Lophostemon suaveolens* (4, 14%), *Melaleuca nervosa* (10, 14%), *Melaleuca viridiflora* var. *viridiflora* (4, 14%), *Persoonia falcata* (14%), *Pogonolobus reticulatus* (14%)

Stratum: S1

Height avg. = 2.7m, range 0.8-5m, 7 sites

Crown cover avg. = 9.9%, range 1.6-15.9%, 7 sites

Stem density/ha avg. = 780, range 100-1920, 7 sites

Dominant species (relative cover, frequency): *Lophostemon suaveolens* (46, 29%), *Acacia calyculata* (32, 43%), *Petalostigma pubescens* (28, 71%), *Acacia flavescens* (27, 43%), *Eucalyptus shirleyi* (13, 29%)

Frequent species (cover, frequency): *Petalostigma pubescens* (2, 71%), *Bursaria incana* (1, 57%), *Acacia calyculata* (4, 43%), *Acacia flavescens* (2, 43%), *Corymbia leichhardtii* (43%), *Persoonia falcata* (43%), *Alphitonia excelsa* (29%), *Corymbia abergiana* (29%), *Corymbia citriodora* (29%), *Eucalyptus exserta* (29%), *Eucalyptus shirleyi* (29%), *Larsenaikia ochreatea* (29%), *Lophostemon suaveolens* (5, 29%), *Acacia leptostachya* (14%), *Acacia simsii* (14%), *Acacia whitei* (14%), *Allocasuarina inophloia* (5, 14%), *Angiosperm indet.* (14%), *Dodonaea indet.* (14%), *Dodonaea lanceolata* var. *subsessilifolia* (14%), *Eucalyptus crebra* (14%), *Eucalyptus granitica* (14%), *Eucalyptus melanophloia* (14%), *Eucalyptus portuensis* (14%), *Euroschinus falcatus* (14%), *Ficus indet.* (14%), *Gompholobium nitidum* (14%), *Grevillea parallela* (14%), *Melaleuca nervosa* (1, 14%), *Melaleuca viridiflora* var. *viridiflora* (14%), *Platysace valida* (14%), *Pogonolobus reticulatus* (14%), *Xylomelum scottianum* (14%)

Stratum: S2

Height avg. = 0.9m, range 0.5-1.3m, 5 sites

Crown cover avg. = 5.9%, range 0.6-11.8%, 5 sites

Stem density/ha avg. = 145, range 60-240, 4 sites

Dominant species (relative cover, frequency): *Petalostigma pubescens* (75, 29%), *Acacia calyculata* (38, 43%), *Gastrolobium grandiflorum* (8, 29%), *Corymbia abergiana* (7, 29%)

Frequent species (cover, frequency): *Acacia calyculata* (3, 43%), *Corymbia abergiana* (29%), *Gastrolobium grandiflorum* (29%), *Petalostigma pubescens* (2, 29%), *Acacia flavescens* (14%), *Allocasuarina inophloia* (1, 14%), *Brachychiton indet.* (14%), *Breynia oblongifolia* (14%), *Bursaria incana* (14%), *Capparis lasiantha* (14%), *Corymbia citriodora* (14%), *Corymbia leichhardtii* (14%), *Eucalyptus crebra* (14%), *Eucalyptus portuensis* (14%), *Eucalyptus shirleyi* (14%), *Gompholobium nitidum* (14%), *Larsenaikia ochreatea* (14%), *Maytenus disperma* (14%), *Melaleuca nervosa* (2, 14%), *Phyllanthus virgatus* (14%), *Platysace valida* (14%), *Tephrosia astragaloides* (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. = 0.5m, range 0.2-0.8m, 7 sites

PFC avg. = 43.7%, range 25-67%, 7 sites

Dominant species (relative cover, frequency): Themeda triandra (38, 71%), Rhynchospora pterochaeta (16, 29%), Eremochloa bimaculata (11, 71%), Gonocarpus acanthocarpus (11, 29%), Eragrostis pubescens (8, 29%)

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon triticeus (2, 86%), Arundinella setosa (2, 71%), Eremochloa bimaculata (5, 71%), Panicum effusum var. effusum (3, 71%), Themeda triandra (18, 71%), Aristida utilis var. utilis (1, 43%), Aristida calycina (29%), Aristida queenslandica var. queenslandica (29%), Bulbostylis densa (29%), Chrysopogon fallax (2, 29%), Cleistochloa subjuncea (1, 29%), Eragrostis pubescens (4, 29%), Eragrostis spartinooides (29%), Eriachne rara (1, 29%), Fimbristylis dichotoma (29%), Melinis repens (29%), Rhynchospora pterochaeta (5, 29%), Schizachyrium fragile (29%), Schizachyrium indet. (1, 29%), Scleria brownii (1, 29%), Abildgaardia vaginata (2, 14%), Alloteropsis semialata (14%), Aristida calycina var. calycina (2, 14%), Aristida holathera (7, 14%), Arundinella indet. (14%), Chrysopogon indet. (7, 14%), Cymbopogon bombycinus (14%), Digitaria violascens* (4, 14%), Echinochloa colona* (14%), Eragrostis elongata (3, 14%), Eragrostis schultzei (14%), Fimbristylis cinnamometorum (14%), Fimbristylis recta (14%), Heteropogon contortus (3, 14%), Mnesithea rottboelliioides (1, 14%), Panicum effusum (3, 14%), Poaceae indet. (2, 14%), Rhynchospora heterochaeta (14%), Sarga plumosum (3, 14%), Schizachyrium pseudeulalia (14%), Scleria tricuspidata (14%), Sporobolus sessilis (14%), Tetraria capillaris (14%), Themeda avenacea (10, 14%)*

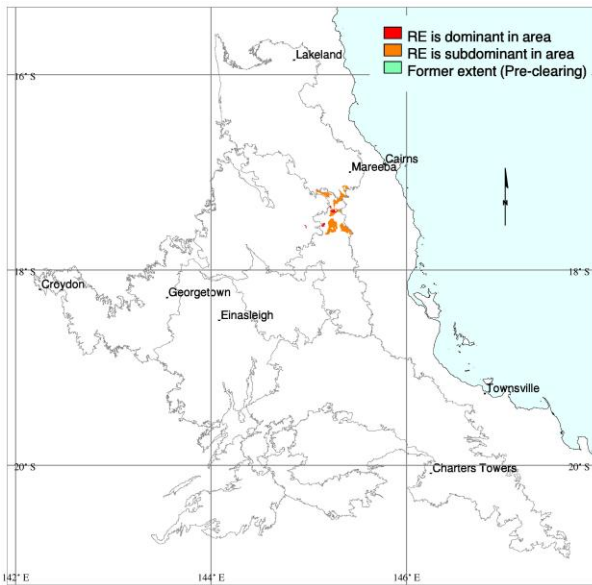
FORBS: Cyathillium cinereum (86%), Chrysocephalum apiculatum (71%), Melichrus urceolatus (71%), Stylidium eriorhizum (71%), Crotalaria montana (57%), Persoonia falcata (57%), Thecanthes cornucopiae (57%), Cheilanthes sieberi subsp. sieberi (43%), Desmodium rhytidophyllum (43%), Flemingia parviflora (1, 43%), Helichrysum newcastlianum var. (Blewater Creek A.R.Bean 3784) (43%), Hybanthus stellarioides (43%), Hypericum gramineum (43%), Leptosema oxylobioides (43%), Lomandra longifolia (1, 43%), Murdannia graminea (43%), Poranthera microphylla (43%), Spermacoe brachystema (43%), Tephrosia filipes (43%), Velleia pubescens (43%), Zornia muriculata (43%), Cartonema spicatum (29%), Cheilanthes brownii (29%), Commelina lanceolata (29%), Dianella caerulea (2, 29%), Emilia sonchifolia (1, 29%), Epaltes australis (2, 29%), Glycine tomentella (2, 29%), Gonocarpus acanthocarpus (4, 29%), Hibbertia stirlingii forma stirlingii (29%), Lomandra conferifolia (29%), Maytenus disperma (29%), Mitrasacme oasena (29%), Phyllanthus virgatus (29%), Thysanotus tuberosus subsp. tuberosus (29%), Tricoryne anceps subsp. anceps (29%), Wahlenbergia gracilis (29%), Wahlenbergia indet. (29%), Wedelia spilanthis (29%), Zornia dyctiocarpa (29%), Acacia leptostachya (2, 14%), Acacia nuperrima (1, 14%), Anisomeles malabarica (14%), Blumea saxatilis (1, 14%), Breynia oblongifolia (14%), Brunoniella acaulis (14%), Buchnera linearis (14%), Centranthera cochinchinensis (14%), Chamaecrista concinna (14%), Conyza sumatrensis* (14%), Crotalaria brevis (14%), Crotalaria goreensis* (14%), Crotalaria lanceolata subsp. lanceolata* (14%), Crotalaria medicaginea (14%), Desmodium gangeticum (14%), Desmodium muelleri (14%), Desmodium triflorum* (14%), Dianella caerulea var. vannata (14%), Dianella indet. (14%), Dianella nervosa (14%), Dodonaea boroniifolia (1, 14%), Dodonaea lanceolata var. subsessilifolia (14%), Drosera peltata (14%), Emilia sonchifolia var. javanica* (14%), Eustrephus latifolius (14%), Evolvulus alsinoides (14%), Fabaceae indet. (14%), Galactia muelleri (1, 14%), Galactia tenuiflora (14%), Galactia tenuiflora var. lucida (14%), Glycine cyrtoloba (14%), Haemodorum coccineum (14%), Hibbertia longifolia (14%), Hibbertia scandens (14%), Hybanthus enneaspermus (14%), Hypoxis hygrometrica var. villosisepala (14%), Indigofera pratensis (14%), Indigofera pratensis var. pratensis (14%), Jacksonia thesioides (14%), Leptosema indet. (2, 14%), Lomandra filiformis (1, 14%), Lomandra filiformis subsp. filiformis (14%), Lomandra indet. (14%), Lomandra multiflora (14%), Melaleuca nervosa (4, 14%), Notelaea microcarpa var. microcarpa (14%), Oldenlandia laceyi (14%), Peripleura diffusa (14%), Phyllanthus collinus (14%), Phyllanthus fuernrohrii (14%), Pimelea sericostachya (14%), Polygala linariifolia (14%), Pterocaulon indet. (14%), Pterocaulon redolens (14%), Pycnospora lutescens (14%), Rostellularia adscendens (14%), Rostellularia adscendens subsp. adscendens (14%), Rostellularia adscendens var. adscendens (14%), Rostellularia adscendens var. hispida (14%), Sauropus indet. (2, 14%), Spermacoe multicaulis (14%), Stackhousia intermedia (14%), Stackhousia viminea (14%), Tephrosia juncea (14%), Uraria lagopodioides (14%), Wahlenbergia tumidifruca (14%), Zornia dyctiocarpa var. dyctiocarpa (14%), Zornia muriculata subsp. muriculata (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 pachycalyx +/- E. cloeziana +/- Corymbia leichhardtii woodland on steep igneous hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 13,718 13,486 98%

Species recorded: Total: 96; woody: 31; ground: 69; Avg. spp./site: 45.3; std dev.: 4.1, 3 site(s)

Basal area: Avg./site: 11.0 m²/ha, range: 8.0 - 14 m²/ha, std. deviation: 3 m²/ha, 2 site(s)

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

Representative sites: 25984, 26160, 26164.

Stratum: T1

Height avg. = 10.0m, range 7-13m, 3 sites

Crown cover avg. = 36.4%, range 20.3-46.5%, 3 sites

Stem density/ha avg. = 207, range 160-240, 3 sites

Dominant species (relative cover, frequency): Eucalyptus pachycalyx subsp. pachycalyx (53, 100%), Corymbia leichhardtii (23, 100%), Corymbia clarksoniana (14, 67%), Corymbia erythrophloia (6, 33%), Eucalyptus cullenii (5, 67%)

Frequent species (cover, frequency): Corymbia leichhardtii (7, 100%), Eucalyptus cloeziana (1, 100%), Eucalyptus pachycalyx subsp. pachycalyx (15, 100%), Corymbia clarksoniana (4, 67%), Eucalyptus cullenii (1, 67%), Eucalyptus portuensis (67%), Allocasuarina inophloia (33%), Callitris intratropica (2, 33%), Corymbia erythrophloia (1, 33%)

Stratum: T2

Height avg. = 3.0m, 1 site

Crown cover avg. = 6.1%, 1 site

Stem density/ha avg. = 200, 1 site

Dominant species (relative cover, frequency): Grevillea glauca (87, 33%), Eucalyptus cloeziana (12, 33%)

Frequent species (cover, frequency): Corymbia clarksoniana (33%), Eucalyptus cloeziana (1, 33%), Eucalyptus portuensis (33%), Grevillea glauca (4, 33%), Persoonia falcata (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. = 1.8m, range 1-3m, 3 sites

Crown cover avg. = 6.3%, range 0.0-15.9%, 3 sites

Stem density/ha avg. = 593, range 220-800, 3 sites

Dominant species (relative cover, frequency): Homalium brachybotrys (81, 33%), Alphonidia pomaderroides (27, 33%), Bursaria incana (27, 33%), Acacia flavescens (10, 33%), Grevillea glauca (9, 100%)

Frequent species (cover, frequency): Grevillea glauca (100%), Persoonia falcata (100%), Petalostigma pubescens (100%), Xanthorrhoea johnsonii (100%), Alyxia spicata (67%), Callitris intratropica (67%), Corymbia clarksoniana (67%), Corymbia leichhardtii (67%), Eucalyptus cloeziana (67%), Eucalyptus pachycalyx subsp. pachycalyx (67%), Pogonolobus reticulatus (67%), Acacia calyculata (33%), Acacia flavescens (1, 33%), Alphonidia pomaderroides (2, 33%), Bursaria incana (2, 33%), Capparis indet. (33%), Distichostemon dodecandrus (33%), Dodonaea indet. (33%), Dodonaea physocarpa (33%), Eucalyptus portuensis (33%), Grevillea glossadenia (33%), Homalium brachybotrys (2, 33%), Larsenaikia ochreatea (33%), Pouteria sericea (33%)

Stratum: S2

Height avg. = 0.5m, 1 site

Crown cover avg. = 1.6%, 1 site

Stem density/ha avg. = 6000, 1 site

Dominant species (relative cover, frequency): Acacia nuperrima (80, 33%), Phyllanthus dallachyanus (18, 33%), Jacksonia thesioides (1, 33%), Dodonaea lanceolata (1, 33%), Distichostemon dodecandrus (1, 33%)

Frequent species (cover, frequency): Acacia nuperrima (3, 33%), Distichostemon dodecandrus (33%), Dodonaea lanceolata (33%), Jacksonia thesioides (33%), Phyllanthus dallachyanus (1, 33%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.5m, 3 sites

PFC avg. = 43.3%, range 20-59%, 3 sites

Dominant species (relative cover, frequency): Sarga plumosum (18, 33%), Themeda triandra (17, 100%), Jacksonia thesioides (17, 67%), Schizachyrium fragile (12, 67%), Grevillea glauca (10, 33%)

Frequent species (cover, frequency): GRAMINOIDS: Cymbopogon bombycinus (100%), Themeda triandra (9, 100%), Aristida calycina (67%), Arundinella nepalensis (67%), Eriachne rara (67%), Heteropogon triticeus (67%), Schizachyrium fragile (5, 67%), Aristida indet. (2, 33%), Aristida queenslandica var. dissimilis (33%), Arundinella indet. (33%), Cyperus indet. (33%), Eragrostis pubescens (33%), Eriachne ciliata (4, 33%), Eriachne pallescens var. pallescens (33%), Fimbristylis recta (33%), Mnesithea rottboellioides (33%), Panicum effusum (33%), Panicum indet. (1, 33%), Sarga plumosum (11, 33%), Schizachyrium indet. (3, 33%), Scleria indet. (33%), Scleria sphacelata (1, 33%), Tripogon loliiiformis (33%)

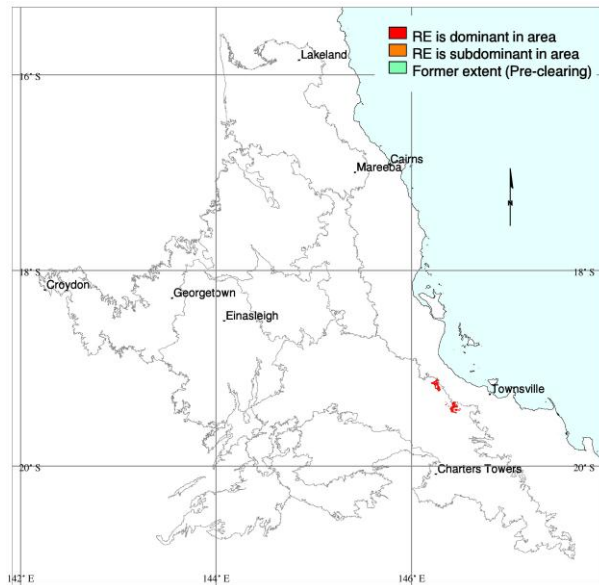
FORBS: Wahlenbergia indet. (100%), Cartonema spicatum (67%), Cheilanthes indet. (1, 67%), Crotalaria montana (67%), Cyanthillium cinereum (67%), Desmodium rhytidophyllum (67%), Gonocarpus acanthocarpus (1, 67%), Hibbertia longifolia (3, 67%), Jacksonia thesioides (10, 67%), Acacia leptostachya (4, 33%), Acacia nuperrima (4, 33%), Blumea saxatilis (33%), Cajanus indet. (33%), Cayratia indet. (33%), Cheilanthes sieberi subsp. sieberi (33%), Crotalaria indet. (33%), Epacridaceae indet. (33%), Evolvulus alsinoides (33%), Grevillea glauca (5, 33%), Helichrysum newcastlianum (33%), Heliotropium brachygyne (33%), Hibbertia indet. (33%), Hibbertia lepidota (33%), Hypericum gramineum (33%), Indigofera indet. (33%), Iphigenia indica (33%), Lomandra longifolia (33%), Melichrus indet. (33%), Mitrasacme connata (33%), Mitrasacme polymorpha (33%), Phyllanthus indet. (3, 33%), Phyllanthus virgatus (33%), Pimelea sericostachya (33%), Pimelea sericostachya subsp. sericostachya (33%), Platysace indet. (33%), Poranthera microphylla (33%), Prostanthera indet. (33%), Rostellularia adscendens (33%), Sauropus elachophyllus (2, 33%), Spermacoce indet. (33%), Stylidium indet. (33%), Tephrosia filipes (33%), Tephrosia indet. (33%), Tricoryne anceps subsp. pterocaulon (33%), Wikstroemia indica (33%), Xanthorrhoea johnsonii (2, 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 and Corymbia spp. open-woodland on flat to undulating country on igneous rocks



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 10,203 9,646 95%

Species recorded: Total: 29; woody: 7; ground: 25; Avg. spp./site: 19.5; std dev.: 2.5, 2 site(s)

Basal area: Avg./site: 6.8 m²/ha, range: 6.3 - 7 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

Structural formation: Open-woodland: 100%, 2 site(s)

Representative sites: 27103, 27104.

Stratum: T1

Height avg. = 17.5m, range 17-18m, 2 sites

Crown cover avg. = 16.0%, range 13.8-18.1%, 2 sites

Stem density/ha avg. = 110, range 100-120, 2 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (98, 100%), Corymbia erythrophloia (2, 100%)

Frequent species (cover, frequency): Corymbia erythrophloia (100%), Eucalyptus crebra (16, 100%), Corymbia clarksoniana (50%), Corymbia dallachiana (50%), Eucalyptus platyphylla (50%)

Stratum: T2

Height avg. = 11.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): Corymbia erythrophloia (50, 50%), Corymbia clarksoniana (50, 50%)

Frequent species (cover, frequency): Corymbia clarksoniana (50%), Corymbia erythrophloia (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. = 2.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 60, 1 site

Dominant species (relative cover, frequency): Bursaria incana (46, 50%), Acacia bidwillii (46, 50%), Eucalyptus crebra (4, 50%), Corymbia erythrophloia (4, 50%)

Frequent species (cover, frequency): Acacia bidwillii (50%), Bursaria incana (50%), Corymbia erythrophloia (50%), Eucalyptus crebra (50%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.5m, 2 sites

PFC avg. = 49.5%, range 30-69%, 2 sites

Dominant species (relative cover, frequency): Chrysopogon fallax (55, 100%), Themeda triandra (15, 100%), Heteropogon contortus (14, 100%), Eriachne indet. (11, 50%), Fimbristylis indet. (4, 50%)

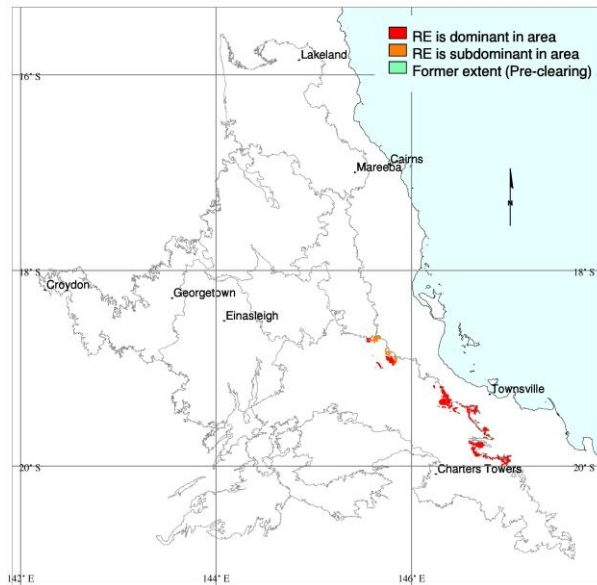
Frequent species (cover, frequency): GRAMINOIDS: Chrysopogon fallax (30, 100%), Heteropogon contortus (9, 100%), Themeda triandra (4, 100%), Aristida indet. (2, 50%), Cymbopogon indet. (50%), Cyperus gilesii (50%), Dichanthium indet. (50%), Eriachne indet. (3, 50%), Fimbristylis indet. (1, 50%), Melinis repens (50%), Perotis rara (50%), Poaceae indet. (50%)
FORBS: Chrysocephalum apiculatum (100%), Evolvulus alsinoides (100%), Rostellularia adscendens (1, 100%), Spermacocce indet. (100%), Zornia indet. (1, 100%), Acacia indet. (50%), Asteraceae indet. (50%), Glycine indet. (50%), Indigofera indet. (50%), Malvastrum americanum* (50%), Stylosanthes indet. (50%), Tephrosia filipes (50%), Wedelia 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 drepanophylla, Corymbia clarksoniana or C. intermedia and C. dallachiana woodland on steep rugged igneous ranges



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 64,433 64,172 100%

Species recorded: Total: 50; woody: 32; ground: 19; Avg. spp./site: 17.8; std dev.: 4.8, 4 site(s)

Basal area: Avg./site: 4.0 m²/ha, range: 3.0 - 5 m²/ha, std. deviation: 1 m²/ha, 5 site(s)

Structural formation: Woodland: 100%, 5 site(s)

Representative sites: 26525, 26545, 26550, 26552, 26553.

Stratum: T1

Height avg. = 12.8m, range 10-15m, 5 sites

Crown cover avg. = 29.2%, range 15.9-38.0%, 5 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (56, 100%), Corymbia erythrophloia (27, 60%), Corymbia clarksoniana (11, 60%), Corymbia dallachiana (3, 80%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (12, 100%), Corymbia dallachiana (1, 80%), Corymbia clarksoniana (3, 60%), Corymbia erythrophloia (4, 60%), Diplatia grandibractea (20%), Eucalyptus platyphylla (6, 20%), Eucalyptus shirleyi (16, 20%), Eucalyptus tereticornis (2, 20%)

Stratum: T2

Height avg. = 5.0m, range 4-6m, 4 sites

Crown cover avg. = 9.1%, range 0.6-33.7%, 4 sites

Dominant species (relative cover, frequency): Erythrina vespertilio (60, 40%), Planchonia careya (27, 40%), Grevillea parallela (27, 40%)

Frequent species (cover, frequency): Erythrina vespertilio (40%), Grevillea parallela (40%), Planchonia careya (40%), Acacia bidwillii (20%), Bursaria incana (20%), Cochlospermum gillivraei (20%), Petalostigma pubescens (34, 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. = 1.3m, range 0.9-2m, 5 sites

Crown cover avg. = 3.7%, range 1.6-6.1%, 5 sites

Dominant species (relative cover, frequency): *Cajanus reticulatus* (62, 40%), *Larsenaikia ochreatea* (38, 40%), *Capparis canescens* (21, 40%)

Frequent species (cover, frequency): *Cajanus reticulatus* (3, 40%), *Capparis canescens* (40%), *Larsenaikia ochreatea* (1, 40%), *Acacia bidwillii* (20%), *Acacia leptostachya* (1, 20%), *Alphitonia excelsa* (20%), *Indigofera pratensis* (20%), *Lantana camara** (3, 20%), *Myoporum acuminatum* (20%), *Persoonia falcata* (20%), *Pogonolobus reticulatus* (20%), *Sida cordifolia** (2, 20%), *Sida hackettiana* (1, 20%), *Tephrosia astragaloides* (20%), *Trichodesma zeylanicum* (1, 20%)

Stratum: S2

Height avg. = 1.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Frequent species (cover, frequency): *Acacia jackesiana* (20%), *Acacia umbellata* (1, 20%), *Hibiscus meraukensis* (20%)

Stratum: G

Height avg. = 0.7m, range 0.5-0.9m, 4 sites

PFC avg. = 88.3%, range 75-100%, 4 sites

Dominant species (relative cover, frequency): *Themeda triandra* (52, 80%), *Heteropogon contortus* (39, 60%), *Heteropogon triticeus* (14, 60%)

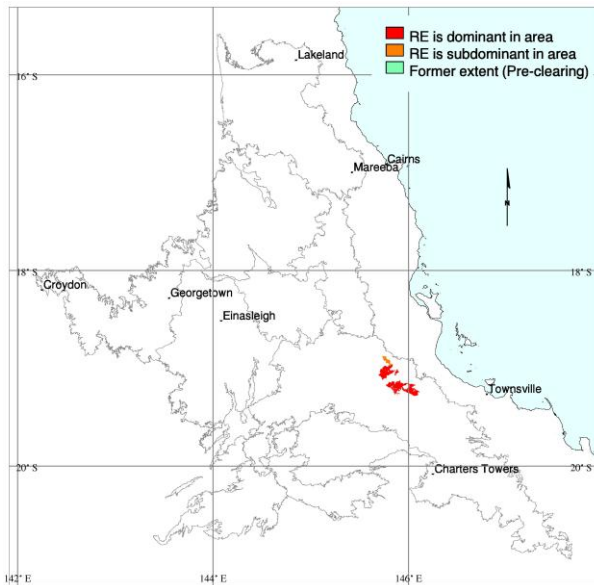
Frequent species (cover, frequency): **GRAMINOIDS:** *Themeda triandra* (49, 80%), *Heteropogon contortus* (31, 60%), *Heteropogon triticeus* (12, 60%), *Aristida calycina* (5, 20%), *Digitaria nematostachya* (15, 20%), *Melinis repens** (2, 20%)
FORBS: *Cyanthillium cinereum* (40%), *Angiosperm indet.* (20%), *Aristolochia thozetii* (20%), *Cajanus marmoratus* (20%), *Chamaesyce indet.* (20%), *Cheilanthes brownii* (20%), *Chrysocephalum apiculatum* (20%), *Lomandra longifolia* (1, 20%), *Mitrasacme connata* (20%), *Pterocaulon sphacelatum* (20%), *Trichodesma zeylanicum* (20%), *Xanthorrhoea johnsonii* (5, 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 drepanophylla or E. crebra, Corymbia leichhardtii and C. lamprophylla low open-woodland on igneous rocks



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 38,866 38,798 100%

Species recorded: Total: 66; woody: 21; ground: 48; Avg. spp./site: 38.5; std dev.: 4.5, 2 site(s)

Basal area: Avg./site: 3.3 m²/ha, range: 3.0 - 4 m²/ha, std. deviation: 0 m²/ha, 2 site(s)

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

Representative sites: 26142, 27102.

Stratum: T1

Height avg. = 11.5m, range 9-14m, 2 sites

Crown cover avg. = 37.3%, range 20.3-54.3%, 2 sites

Stem density/ha avg. = 150, range 140-160, 2 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (49, 50%), Corymbia lamprophylla (41, 50%), Corymbia leichhardtii (39, 100%), Eucalyptus drepanophylla (32, 50%)

Frequent species (cover, frequency): Corymbia leichhardtii (10, 100%), Corymbia lamprophylla (18, 50%), Eucalyptus crebra (9, 50%), Eucalyptus drepanophylla (14, 50%)

Stratum: T2

Height avg. = 5.0m, range 4-6m, 2 sites

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

Stem density/ha avg. = 90, range 60-120, 2 sites

Dominant species (relative cover, frequency): Corymbia lamprophylla (48, 50%), Corymbia leichhardtii (45, 100%), Grevillea glauca (42, 50%), Bursaria incana (5, 50%), Wrightia saligna (4, 50%)

Frequent species (cover, frequency): Corymbia leichhardtii (100%), Bursaria incana (50%), Corymbia lamprophylla (50%), Eucalyptus crebra (50%), Grevillea glauca (50%), Persoonia falcata (50%), Planchonia careya (50%), Wrightia saligna (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 1-2.5m, 2 sites

Crown cover avg. = 5.9%, range 0.0-11.8%, 2 sites

Stem density/ha avg. = 210, range 100-320, 2 sites

Dominant species (relative cover, frequency): Bursaria incana (28, 100%), Acacia leptostachya (17, 100%), Grevillea glauca (16, 50%), Gastrolobium grandiflorum (16, 50%), Wrightia saligna (11, 50%)

Frequent species (cover, frequency): Acacia leptostachya (2, 100%), Bursaria incana (4, 100%), Alphitonia excelsa (50%), Corymbia leichhardtii (50%), Eucalyptus crebra (50%), Gastrolobium grandiflorum (3, 50%), Grevillea glauca (3, 50%), Grevillea parallela (50%), Indigofera pratensis (50%), Planchonia careya (50%), Pogonolobus reticulatus (50%), Wrightia saligna (50%)

Stratum: S2

Height avg. = 1.0m, 1 site

Crown cover avg. = 4.4%, 1 site

Stem density/ha avg. = 460, 1 site

Dominant species (relative cover, frequency): Gastrolobium grandiflorum (52, 50%), Dodonaea lanceolata (26, 50%), Distichostemon dodecandrus (19, 50%)

Frequent species (cover, frequency): Acacia leptostachya (50%), Bursaria incana (50%), Distichostemon dodecandrus (1, 50%), Dodonaea lanceolata (2, 50%), Gastrolobium grandiflorum (3, 50%), Grevillea glauca (50%), Helichrysum rupicola (50%), Maytenus disperma (50%), Persoonia falcata (50%), Platysace valida (50%), Podolepis arachnoidea (50%)

Stratum: G

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

PFC avg. = 49.5%, range 25-74%, 2 sites

Dominant species (relative cover, frequency): Triodia indet. (70, 50%), Themeda triandra (60, 50%), Aristida queenslandica var. dissimilis (16, 50%), Evolvulus alsinoides (8, 50%), Arundinella setosa (5, 50%)

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon triticeus (1, 100%), Schizachyrium fragile (2, 100%), Aristida queenslandica var. dissimilis (12, 50%), Arundinella setosa (4, 50%), Cymbopogon bombycinus (50%), Cymbopogon indet. (50%), Eragrostis brownii (1, 50%), Eremochloa bimaculata (50%), Eriachne rara (50%), Heteropogon contortus (50%), Melinis repens (50%), Panicum mitchellii (1, 50%), Scleria sphacelata (50%), Themeda triandra (46, 50%), Triodia indet. (17, 50%)*

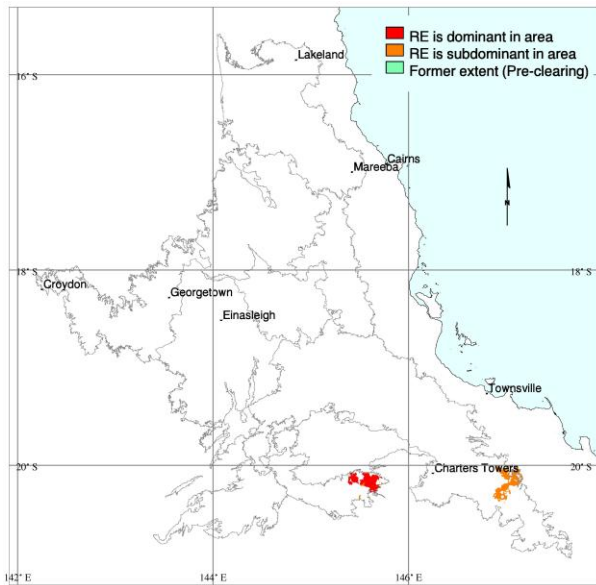
FORBS: Chrysocephalum apiculatum (100%), Crotalaria medicaginea (100%), Wahlenbergia indet. (1, 100%), Acacia galioides (1, 50%), Acacia leptostachya (1, 50%), Blumea saxatilis (2, 50%), Cartonema indet. (50%), Cheilanthes indet. (50%), Dianella indet. (50%), Euphorbia indet. (50%), Evolvulus alsinoides (2, 50%), Gonocarpus acanthocarpus (1, 50%), Haemodorum indet. (50%), Hibiscus meraukensis (1, 50%), Hypericum gramineum (50%), Indigofera linifolia (50%), Lomandra indet. (50%), Mitrasacme polymorpha (50%), Phyllanthus carpentariae (50%), Pimelea sericostachya (50%), Pogonolobus reticulatus (50%), Poranthera microphylla (50%), Rostellularia adscendens (50%), Rostellularia adscendens var. hispida (50%), Spermacoce brachystema (50%), Spermacoce indet. (50%), Stylidium eriorhizum (1, 50%), Tephrosia filipes (1, 50%), Thysanotus banksii (50%), Trichodesma zeylanicum (50%), Velleia pubescens (50%), Xanthorrhoea johnsonii (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 xanthoclada, Corymbia peltata +/- C. clarksoniana woodland on igneous hills



Mark Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 24,724 24,532 99%

Species recorded: Total: 88; woody: 52; ground: 38; Avg. spp./site: 25.6; std dev.: 6.1, 5 site(s)

Basal area: Avg./site: 5.3 m²/ha, range: 5.3 - 5 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

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

Representative sites: 25582, 25600, 25748, 25750, 27111.

Stratum: T1

Height avg. = 15.8m, range 12-22m, 5 sites
 Crown cover avg. = 13.3%, range 2.9-29.2%, 5 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (76, 40%), Corymbia peltata (50, 100%), Eucalyptus xanthoclada (17, 60%), Corymbia clarksoniana (1, 40%)

Frequent species (cover, frequency): Corymbia peltata (4, 100%), Corymbia dallachiana (60%), Eucalyptus xanthoclada (1, 60%), Corymbia clarksoniana (40%), Eucalyptus crebra (11, 40%), Acacia shirleyi (20%), Corymbia erythrophloia (20%), Corymbia polycarpa (20%), Eucalyptus whitei (2, 20%)

Stratum: T2

Height avg. = 5.8m, range 5-8m, 5 sites
 Crown cover avg. = 7.2%, range 0.6-27.0%, 5 sites

Dominant species (relative cover, frequency): Eucalyptus shirleyi (58, 40%), Eucalyptus crebra (48, 40%), Terminalia aridicola (13, 40%), Grevillea parallela (13, 40%), Petalostigma pubescens (12, 60%)

Frequent species (cover, frequency): Alphitonia excelsa (60%), Petalostigma pubescens (60%), Acacia indet. (40%), Bursaria incana (40%), Eucalyptus crebra (2, 40%), Eucalyptus shirleyi (40%), Grevillea parallela (40%), Persoonia falcata (40%), Terminalia aridicola (40%), Alectryon connatus (20%), Alphitonia pomaderroides (20%), Brachychiton chillagoensis (20%), Cochlospermum gregorii (20%), Corymbia erythrophloia (20%), Dolichandrone heterophylla (20%), Drypetes deplanchei (20%), Geijera salicifolia (20%), Grevillea glauca (20%), Melaleuca nervosa (1, 20%), Pandanus indet. (20%), Pleiogynium timorense (20%), Santalum lanceolatum (20%), Terminalia indet. (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. = 2.6m, range 1.5-5m, 5 sites

Crown cover avg. = 6.9%, range 0.0-27.0%, 5 sites

Dominant species (relative cover, frequency): *Acacia leptostachya* (16, 40%), *Larsenaikia ochreatea* (13, 60%), *Maytenus cunninghamii* (13, 100%), *Petalostigma pubescens* (13, 40%), *Psydrax oleifolia* (12, 60%)

Frequent species (cover, frequency): *Maytenus cunninghamii* (100%), *Larsenaikia ochreatea* (60%), *Psydrax oleifolia* (60%), *Acacia leptostachya* (40%), *Petalostigma pubescens* (40%), *Xanthorrhoea johnsonii* (40%), *Acacia bidwillii* (20%), *Acacia cowleana* (20%), *Acacia holosericea* (20%), *Acacia indet.* (20%), *Alphitonia pomaderroides* (20%), *Alyxia ruscifolia* (20%), *Breynia oblongifolia* (20%), *Bursaria incana* (20%), *Callitris endlicheri* (20%), *Corymbia peltata* (20%), *Dodonaea lanceolata* var. *lanceolata* (20%), *Dolichandrone heterophylla* (20%), *Geijera salicifolia* (20%), *Glossocarya hemiderma* (20%), *Grewia graniticola* (20%), *Grewia latifolia* (20%), *Marsdenia viridiflora* (20%), *Melaleuca nervosa* (20%), *Melhanhia oblongifolia* (20%), *Persoonia falcata* (20%), *Pimelea sericostachya* subsp. *amabilis* (20%), *Platysace valida* (20%), *Psydrax odorata* (20%), *Tephrosia rufula* (20%), *Terminalia indet.* (20%), *Trachymene bivestita* var. *bivestita* (20%)

Stratum: G

Height avg. = 0.6m, range 0.3-1m, 5 sites

PFC avg. = 20.0%, range 10-50%, 5 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (53, 40%), *Cymbopogon oblectus* (47, 40%), *Spermacoce brachystema* (5, 40%), *Waltheria indica* (5, 40%), *Eriachne mucronata* (5, 40%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Cymbopogon oblectus* (5, 40%), *Eriachne mucronata* (40%), *Heteropogon contortus* (3, 40%), *Aristida holathera* var. *holathera* (20%), *Aristida indet.* (2, 20%), *Aristida ingrata* (20%), *Aristida jerichoensis* (20%), *Aristida spuria* (5, 20%), *Chrysopogon fallax* (1, 20%), *Cymbopogon bombycinus* (20%), *Enneapogon polyphyllus* (20%), *Eragrostis indet.* (20%), *Eriachne indet.* (3, 20%), *Melinis repens** (5, 20%), *Paspalidium gracile* (5, 20%), *Poaceae indet.* (1, 20%), *Schizachyrium indet.* (1, 20%), *Setaria surgens* (20%), *Themeda triandra* (20%), *Triodia pungens* (20%), *Tripogon loliiformis* (20%)

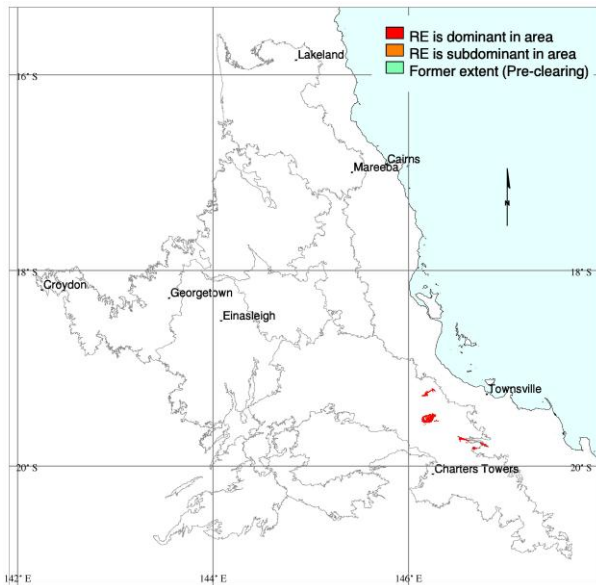
FORBS: *Spermacoce brachystema* (40%), *Waltheria indica* (40%), *Chrysocephalum apiculatum* (20%), *Cleome viscosa* (20%), *Dianella revoluta* (20%), *Evolvulus alsinoides* (3, 20%), *Helicteres semiglabra* (20%), *Indigofera linnaei* (20%), *Jasminum didymum* (20%), *Jasminum simplicifolium* (20%), *Malvastrum americanum** (1, 20%), *Marsdenia viridiflora* (20%), *Pterocaulon sphacelatum* (20%), *Spermacoce indet.* (20%), *Stylosanthes indet.* (2, 20%), *Tephrosia indet.* (2, 20%), *Trichodesma zeylanicum* var. *zeylanicum* (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 drepanophylla and Corymbia peltata +/- C. clarksoniana woodland on rocky igneous hills



Mark Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 18,236 18,085 99%

Species recorded: Total: 34; woody: 11; ground: 25; Avg. spp./site: 22.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 6.0 m²/ha, range: 3.0 - 9 m²/ha, std. deviation: 3 m²/ha, 2 site(s)

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

Representative sites: 26107, 27110.

Stratum: T1

Height avg. = 10.0m, range 9-11m, 2 sites

Crown cover avg. = 13.2%, range 6.1-20.3%, 2 sites

Stem density/ha avg. = 90, range 60-120, 2 sites

Dominant species (relative cover, frequency): Eucalyptus melanophloia (90, 50%), Eucalyptus drepanophylla (88, 50%), Corymbia peltata (11, 100%)

Frequent species (cover, frequency): Corymbia peltata (1, 100%), Corymbia clarksoniana (50%), Eucalyptus crebra (50%), Eucalyptus drepanophylla (16, 50%), Eucalyptus melanophloia (5, 50%)

Stratum: T2

Height avg. = 5.0m, 1 site

Crown cover avg. = 7.9%, 1 site

Stem density/ha avg. = 220, 1 site

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

Frequent species (cover, frequency): Eucalyptus drepanophylla (50%), Melaleuca nervosa (6, 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 1-2m, 2 sites

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

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Melaleuca viridiflora (88, 50%), Melaleuca nervosa (48, 100%), Eucalyptus drepanophylla (3, 50%), Capparis canescens (3, 50%), Petalostigma pubescens (3, 50%)

Frequent species (cover, frequency): Melaleuca nervosa (100%), Alphitonia excelsa (50%), Capparis canescens (50%), Eucalyptus drepanophylla (50%), Melaleuca viridiflora (1, 50%), Persoonia falcata (50%), Petalostigma pubescens (50%)

Stratum: G

Height avg. = 1.1m, 1 site

PFC avg. = 97.0%, 1 site

Dominant species (relative cover, frequency): Heteropogon contortus (45, 50%), Melinis repens (31, 50%), Tephrosia filipes (6, 50%), Heteropogon triticeus (6, 50%), Glycine tomentella (4, 50%)*

Frequent species (cover, frequency): GRAMINOIDS: Digitaria brownii (50%), Digitaria indet. (2, 50%), Heteropogon contortus (42, 50%), Heteropogon triticeus (6, 50%), Melinis repens (29, 50%)*

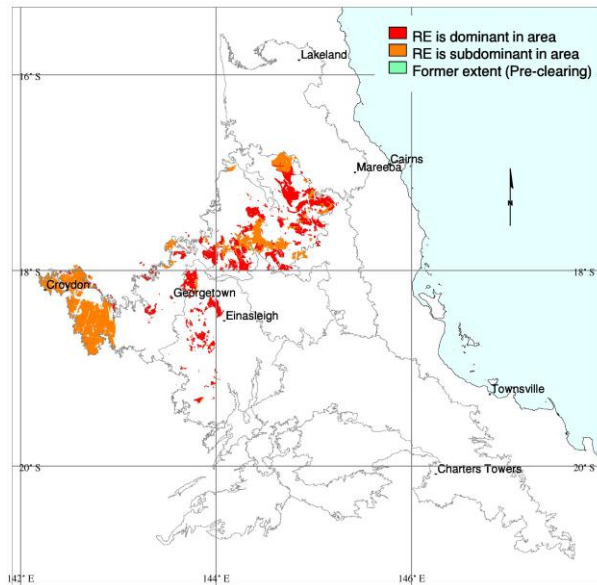
FORBS: Blumea saxatilis (1, 50%), Chamaecrista mimosoides (50%), Crotalaria gorensis (50%), Crotalaria medicaginea (1, 50%), Crotalaria mitchellii subsp. mitchellii (50%), Desmodium muelleri (50%), Glycine tomentella (4, 50%), Indigofera colutea (1, 50%), Indigofera hirsuta (50%), Sida hackettiana (50%), Stylosanthes indet. (50%), Tephrosia filipes (6, 50%), Zornia muelleriana subsp. muelleriana (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 melanophloia and/or E. shirleyi +/- Corymbia erythrophloia low open-woodland on igneous rocks



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 409,143 407,319 100%

Species recorded: Total: 193; woody: 72; ground: 134; Avg. spp./site: 26.7; std dev.: 8.3, 15 site(s)

Basal area: Avg./site: 4.3 m²/ha, range: 2.0 - 7 m²/ha, std. deviation: 2 m²/ha, 14 site(s)

Structural formation: Low open-woodland: 67%; low woodland: 13%; woodland: 7%; open-woodland: 7%; low open-forest: 7%, 15 site(s)

Representative sites: 25992, 26000, 26023, 26057, 26102, 26287, 26289, 26387, 26396, 26646, 26655, 26667, 26673, 26864, 37364.

Stratum: T1

Height avg. = 7.2m, range 4-13m, 15 sites
 Crown cover avg. = 14.1%, range 0.0-64.7%, 15 sites
 Stem density/ha avg. = 209, range 20-860, 15 sites

Dominant species (relative cover, frequency): Eucalyptus shirleyi (79, 27%), Eucalyptus melanophloia (58, 73%), Corymbia erythrophloia (17, 33%)

Frequent species (cover, frequency): Eucalyptus melanophloia (4, 73%), Corymbia erythrophloia (2, 33%), Eucalyptus shirleyi (6, 27%), Terminalia aridicola (20%), Corymbia leichhardtii (13%), Corymbia peltata (1, 13%), Terminalia platyptera (13%), Acacia holosericea (7%), Acacia indet. (29, 7%), Acacia julifera (4, 7%), Acacia julifera subsp. julifera (22, 7%), Alphitonia pomaderroides (7%), Brachychiton diversifolius (7%), Brachychiton diversifolius subsp. orientalis (7%), Cochlospermum gillivraei (7%), Corymbia clarksoniana (7%), Corymbia dallachiana (7%), Corymbia grandifolia (6, 7%), Corymbia terminalis (7%), Cymbidium canaliculatum (7%), Erythroxylum ellipticum (7%), Erythroxylum indet. (7%), Eucalyptus cullenii (7%), Eucalyptus microneura (7%), Gardenia vilhelmii (7%), Grevillea glauca (3, 7%)

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. = 3.3m, range 2-6m, 6 sites

Crown cover avg. = 5.1%, range 0.0-18.1%, 6 sites

Stem density/ha avg. = 177, range 40-300, 6 sites

Dominant species (relative cover, frequency): *Petalostigma banksii* (52, 27%)

Frequent species (cover, frequency): *Petalostigma banksii* (27%), *Alphitonia pomaderroides* (1, 13%), *Erythrophleum chlorostachys* (13%), *Eucalyptus melanophloia* (13%), *Petalostigma pubescens* (13%), *Acacia burdekensis* (7%), *Acacia julifera* (7%), *Acacia julifera subsp. julifera* (7%), *Acacia leptocarpa* (7%), *Bursaria incana* (1, 7%), *Callitris intratropica* (4, 7%), *Corymbia erythrophloia* (7%), *Corymbia leichhardtii* (2, 7%), *Dolichandrone heterophylla* (7%), *Erythroxylum ellipticum* (7%), *Eucalyptus shirleyi* (7%), *Gardenia vilhelmii* (7%), *Grevillea pteridifolia* (7%), *Melaleuca viridiflora* (7%), *Planchonia careya* (7%), *Terminalia platyptera* (2, 7%)

Stratum: S1

Height avg. = 1.7m, range 1-3m, 14 sites

Crown cover avg. = 5.6%, range 0.0-52.4%, 14 sites

Stem density/ha avg. = 656, range 140-1520, 14 sites

Dominant species (relative cover, frequency): *Petalostigma banksii* (38, 53%), *Gardenia vilhelmii* (24, 27%), *Petalostigma pubescens* (22, 27%), *Eucalyptus melanophloia* (12, 60%), *Alphitonia pomaderroides* (2, 40%)

Frequent species (cover, frequency): *Eucalyptus melanophloia* (1, 60%), *Petalostigma banksii* (1, 53%), *Alphitonia pomaderroides* (40%), *Gardenia vilhelmii* (1, 27%), *Petalostigma pubescens* (27%), *Brachychiton diversifolius* (20%), *Corymbia erythrophloia* (1, 20%), *Erythrophleum chlorostachys* (20%), *Eucalyptus shirleyi* (20%), *Grevillea glauca* (1, 20%), *Maytenus cunninghamii* (1, 20%), *Terminalia aridicola* (20%), *Acacia galioides* (13%), *Acacia nesophila* (13%), *Bursaria incana* (13%), *Callitris intratropica* (13%), *Distichostemon dodecandrus* (13%), *Dolichandrone heterophylla* (13%), *Grevillea dryandri* (13%), *Grevillea pteridifolia* (13%), *Grewia retusifolia* (13%), *Melaleuca citrolens* (13%), *Melaleuca stenostachya* (13%), *Persoonia falcata* (13%), *Terminalia platyptera* (13%), *Wrightia saligna* (13%), *Acacia bidwillii* (7%), *Acacia calyculata* (7%), *Acacia humifusa* (1, 7%), *Acacia indet.* (2, 7%), *Acacia julifera* (7%), *Acacia julifera subsp. julifera* (7%), *Acacia leptocarpa* (7%), *Acacia whitei* (7%), *Breynia indet.* (7%), *Breynia oblongifolia* (7%), *Capparis indet.* (7%), *Carissa lanceolata* (7%), *Cochlospermum indet.* (7%), *Corymbia clarksoniana* (7%), *Corymbia leichhardtii* (7, 7%), *Corymbia peltata* (1, 7%), *Dendrolobium umbellatum var. umbellatum* (7%), *Erythroxylum australe* (7%), *Erythroxylum ellipticum* (7%), *Fabaceae indet.* (3, 7%), *Gastrolobium grandiflorum* (7%), *Grevillea mimosoides* (7%), *Hovea lanceolata* (7%), *Ipomoea graminea* (7%), *Jacksonia ramosissima* (2, 7%), *Jacksonia thesioides* (7%), *Melaleuca minutifolia* (7%), *Melaleuca nervosa* (7%), *Melaleuca viridiflora* (7%), *Pogonolobus reticulatus* (7%), *Pouteria pohlmanna* (7%), *Premna indet.* (7%), *Trachymene bivestita var. bivestita* (7%), *Xanthorrhoea johnsonii* (7%)

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 0.2-1m, 15 sites

PFC avg. = 56.1%, range 25-86%, 15 sites

Dominant species (relative cover, frequency): *Schizachyrium fragile* (51, 53%), *Schizachyrium indet.* (29, 40%), *Themeda triandra* (26, 27%), *Heteropogon contortus* (11, 80%), *Aristida indet.* (6, 73%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (6, 80%), *Aristida indet.* (3, 73%), *Schizachyrium fragile* (22, 53%), *Sarga plumosum* (3, 40%), *Schizachyrium indet.* (13, 40%), *Eriachne indet.* (2, 33%), *Cymbopogon bombycinus* (27%), *Enneapogon lindleyanus* (1, 27%), *Melinis repens** (1, 27%), *Panicum indet.* (2, 27%), *Themeda triandra* (15, 27%), *Eragrostis indet.* (20%), *Aristida calycina* (10, 13%), *Aristida holathera* (13%), *Aristida sciuroides* (7, 13%), *Enneapogon indet.* (13%), *Eragrostis speciosa* (1, 13%), *Heteropogon triticeus* (3, 13%), *Rhynchospora heterochaeta* (13%), *Setaria indet.* (1, 13%), *Aristida calycina* var. *calycina* (3, 7%), *Aristida jerichoensis* var. *subspinulifera* (20, 7%), *Arundinella indet.* (7%), *Arundinella setosa* (7%), *Chrysopogon fallax* (7%), *Digitaria bicornis* (7%), *Enneapogon polyphyllus* (7%), *Eragrostis sororia* (7%), *Eriachne mucronata* (7%), *Fimbristylis indet.* (7%), *Fimbristylis recta* (3, 7%), *Panicum decompositum* (7%), *Panicum effusum* var. *effusum* (7%), *Perotis rara* (7%), *Poaceae indet.* (24, 7%), *Rhynchospora indet.* (7%), *Scleria indet.* (2, 7%), *Setaria surgens* (7%), *Urochloa holosericea* (7%)

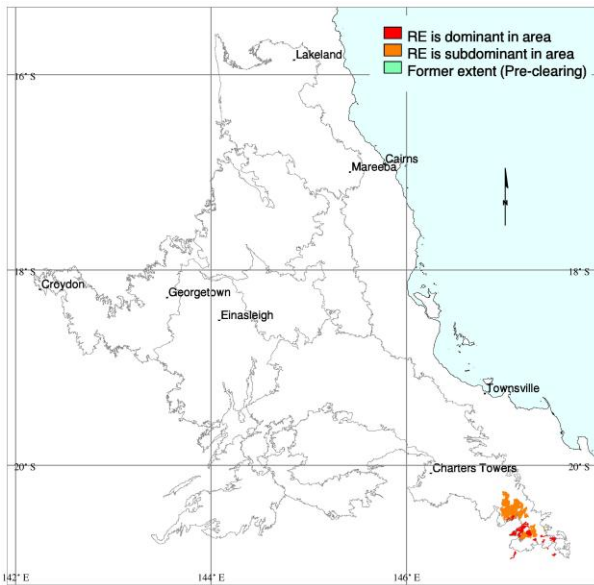
FORBS: *Evolvulus alsinoides* (1, 53%), *Malvastrum americanum* var. *americanum** (53%), *Indigofera indet.* (1, 40%), *Zornia indet.* (1, 40%), *Fabaceae indet.* (27%), *Pterocaulon redolens* (1, 27%), *Rostellularia adscendens* (27%), *Tephrosia filipes* (1, 27%), *Asteraceae indet.* (20%), *Cyanthillium cinereum* (20%), *Goodenia armitiana* (20%), *Grewia retusifolia* (20%), *Indigofera pratensis* (20%), *Phyllanthus fuernrohrii* (1, 20%), *Phyllanthus indet.* (20%), *Spermacoce indet.* (2, 20%), *Stylosanthes scabra** (1, 20%), *Corchorus indet.* (13%), *Glycine indet.* (3, 13%), *Goodenia indet.* (2, 13%), *Hibiscus meraukensis* (13%), *Hyptis suaveolens** (8, 13%), *Melhania oblongifolia* (2, 13%), *Oldenlandia indet.* (13%), *Peripleura sericea* (13%), *Phyllanthus virgatus* (13%), *Polycarpha spirostylis* (13%), *Ruellia tuberosa** (3, 13%), *Spermacoce brachystema* (1, 13%), *Stylosanthes indet.* (1, 13%), *Tephrosia juncea* (13%), *Waltheria indica* (1, 13%), *Acacia julifera* subsp. *julifera* (1, 7%), *Achyranthes aspera* (7%), *Acmella grandiflora* var. *brachyglossa* (3, 7%), *Aphyllodium biarticulatum* (7%), *Blumea saxatilis* (7%), *Bonamia pannosa* (6, 7%), *Chamaesyce indet.* (7%), *Cheilanthes brownii* (7%), *Clematicissus opaca* (7%), *Convolvulaceae indet.* (7%), *Crotalaria montana* (7%), *Cucumis indet.* (7%), *Dicliptera armata* (7%), *Dodonaea indet.* (7%), *Dolichandrone heterophylla* (7%), *Drosera indica* (3, 7%), *Exocarpos latifolius* (7%), *Gardenia vilhelmii* (7%), *Glossocardia bidens* (7%), *Glycine tabacina* (7%), *Gompholobium nitidum* (7%), *Gonocarpus acanthocarpus* (7%), *Goodenia pilosa* (2, 7%), *Grevillea dryandri* (7%), *Haemodorum coccineum* (7%), *Helichrysum indet.* (7%), *Heliotropium indet.* (7%), *Hibbertia longifolia* (7%), *Hybanthus enneaspermus* (7%), *Hybanthus indet.* (7%), *Hyptis indet.* (7%), *Indigofera hirsuta* (7%), *Indigofera linifolia* (2, 7%), *Indigofera linnaei* (7%), *Indigofera tryonii* (7%), *Iphigenia indica* (7%), *Ipomoea indet.* (7%), *Isotropis filicaulis* (7%), *Jacquemontia paniculata* (7%), *Lomandra indet.* (7%), *Lomandra multiflora* subsp. *multiflora* (7%), *Mitracarpus hirtus** (7%), *Oldenlandia mitrasacmoides* (7%), *Peripleura indet.* (7%), *Persoonia falcata* (7%), *Phyllanthus collinus* (7%), *Pimelea indet.* (7%), *Pimelea sericostachya* (7%), *Podolepis arachnoidea* (7%), *Polyalthia longifolia* (7%), *Polygala exsuarrosa* (7%), *Polygala linariifolia* (7%), *Portulaca bicolor* (7%), *Ptilotus indet.* (7%), *Rostellularia adscendens* var. *hispida* (7%), *Sida cordifolia** (7%), *Sida indet.* (7%), *Tephrosia varians* (1, 7%), *Thecanthes cornucopiae* (1, 7%), *Wrightia saligna* (1, 7%), *Xanthorrhoea johnsonii* (10, 7%), *Zornia muriculata* (7%), *Zornia muriculata* subsp. *angustata* (1, 7%)

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 low open-woodland, often with E. crebra, on low hills on igneous rocks



G. W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 35,561 35,066 99%

Species recorded: Total: 47; woody: 15; ground: 33; Avg. spp./site: 20.3; std dev.: 6.6, 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: Low open-woodland: 67%; low woodland: 33%, 3 site(s)

Representative sites: 26002, 26019, 26020.

Stratum: E

Height avg. = 13.0m, 1 site

Crown cover avg. = 0.6%, 1 site

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

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

Stratum: T1

Height avg. = 8.7m, range 8-9m, 3 sites

Crown cover avg. = 10.3%, range 4.4-20.3%, 3 sites

Stem density/ha avg. = 300, 1 site

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

Frequent species (cover, frequency): Eucalyptus melanophloia (12, 100%), Bursaria incana (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. = 2.8m, range 2-4m, 3 sites

Crown cover avg. = 6.4%, range 0.6-18.1%, 3 sites

Stem density/ha avg. = 980, 1 site

Dominant species (relative cover, frequency): Melaleuca nervosa (97, 33%), Petalostigma banksii (96, 33%), Eucalyptus melanophloia (54, 33%), Xanthorrhoea johnsonii (19, 33%), Acacia galioides (19, 33%)

Frequent species (cover, frequency): Acacia indet. (67%), Acacia galioides (33%), Acacia jackesiana (33%), Acacia nesophila (33%), Alstonia constricta (33%), Bursaria incana (33%), Carissa ovata (33%), Eucalyptus melanophloia (1, 33%), Maytenus cunninghamii (33%), Melaleuca nervosa (1, 33%), Petalostigma banksii (19, 33%), Platysace valida (33%), Xanthorrhoea indet. (1, 33%), Xanthorrhoea johnsonii (33%)

Stratum: G

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

PFC avg. = 15.0%, range 5-25%, 3 sites

Dominant species (relative cover, frequency): Bothriochloa pertusa (56, 33%), Heteropogon contortus (38, 100%), Melinis repens* (8, 33%), Alloteropsis semialata (6, 33%), Tribulopsis pentandra (6, 33%)*

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (4, 100%), Aristida indet. (67%), Cymbopogon bombycinus (67%), Heteropogon triticeus (67%), Alloteropsis semialata (33%), Bothriochloa pertusa (2, 33%), Fimbristylis indet. (33%), Melinis repens* (1, 33%), Poaceae indet. (33%), Sarga plumosum (33%), Schizachyrium fragile (33%), Themeda triandra (33%)*

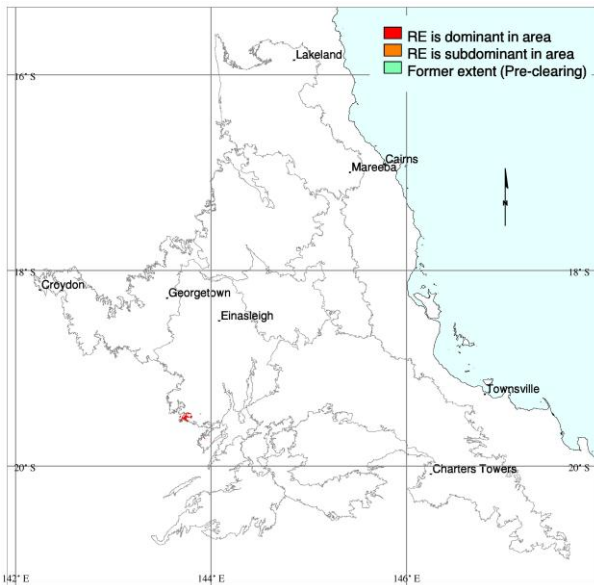
FORBS: Evolvulus alsinoides (100%), Emilia sonchifolia (67%), Indigofera pratensis (67%), Phyllanthus fuernrohrii (67%), Acacia umbellata (33%), Blumea indet. (33%), Chamaecrista absus var. absus (33%), Chamaecrista mimosoides (33%), Cheilanthes indet. (33%), Crotalaria montana (33%), Geijera parviflora (33%), Grewia retusifolia (33%), Helichrysum indet. (33%), Maytenus cunninghamii (33%), Melhania oblongifolia (33%), Oxalis corniculata* (33%), Persoonia falcata (33%), Styliidium eriorhizum (33%), Tribulopsis pentandra (33%), Wahlenbergia indet. (33%), Wedelia indet. (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 similis and E. shirleyi +/- E. crebra low open-woodland on low granite hills with rocky outcrops



Mark Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 4,687 4,687 100%

Species recorded: Total: 28; woody: 16; ground: 13; Avg. spp./site: 28.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 1.5 m²/ha, range: 1.5 - 2 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

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

Representative sites: 26859.

Stratum: T1

Height avg. = 7.0m, 1 site

Crown cover avg. = 18.1%, 1 site

Stem density/ha avg. = 140, 1 site

Dominant species (relative cover, frequency): Eucalyptus similis (99, 100%)

Frequent species (cover, frequency): Canarium australianum (100%), Corymbia dallachiana (100%), Erythrophleum chlorostachys (100%), Eucalyptus camaldulensis (100%), Eucalyptus crebra (100%), Eucalyptus shirleyi (100%), Eucalyptus similis (18, 100%)

Stratum: S1

Height avg. = 3.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 80, 1 site

Dominant species (relative cover, frequency): Trema tomentosa var. viridis (9, 100%), Terminalia aridicola (9, 100%), Petalostigma banksii (9, 100%), Persoonia falcata (9, 100%), Maytenus cunninghamii (9, 100%)

Frequent species (cover, frequency): Acacia julifera subsp. julifera (100%), Acacia leptostachya (100%), Alphitonia pomaderroides (100%), Eucalyptus shirleyi (100%), Eucalyptus similis (100%), Homalium brachybotrys (100%), Maytenus cunninghamii (100%), Persoonia falcata (100%), Petalostigma banksii (100%), Terminalia aridicola (100%), Trema tomentosa var. viridis (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. = 50.0%, 1 site

Dominant species (relative cover, frequency): *Aristida indet.* (36, 100%), *Schizachyrium indet.* (35, 100%), *Aristida inaequiglumis* (12, 100%), *Capillipedium parviflorum* (6, 100%), *Evolvulus alsinoides* (5, 100%)

Frequent species (cover, frequency): GRAMINOIDS: *Aristida inaequiglumis* (6, 100%), *Aristida indet.* (18, 100%), *Capillipedium parviflorum* (3, 100%), *Elionurus indet.* (100%), *Eragrostis indet.* (1, 100%), *Eriachne ciliata* (1, 100%), *Heteropogon contortus* (1, 100%), *Schizachyrium indet.* (17, 100%)

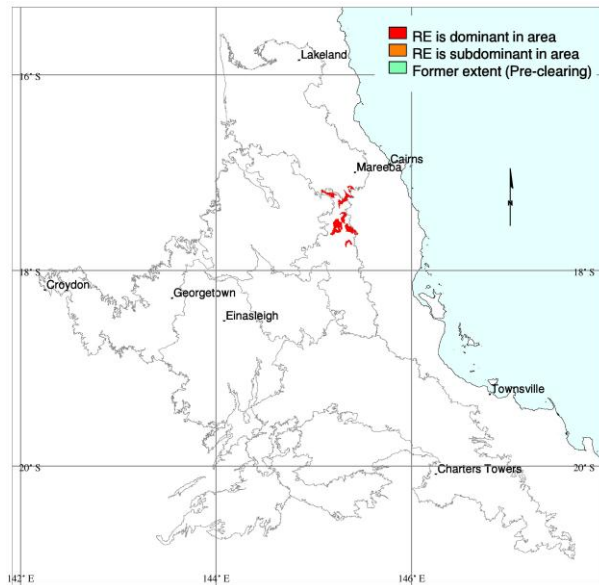
FORBS: *Evolvulus alsinoides* (3, 100%), *Indigofera indet.* (100%), *Polycarpaea spirostylis* (100%), *Pterocaulon indet.* (100%), *Spermacoce indet.* (100%)

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

Corymbia leichhardtii and Eucalyptus cloeziana +/- E. portuensis +/- C. citriodora +/- E. cullenii woodland on steep rhyolite hills



Mark Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 20,969 20,725 99%

Species recorded: Total: 76; woody: 25; ground: 63; Avg. spp./site: 30.7; std dev.: 7.6, 3 site(s)

Basal area: Avg./site: 9.0 m²/ha, range: 7.0 - 11 m²/ha, std. deviation: 2 m²/ha, 3 site(s)

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

Representative sites: 26161, 26162, 26994.

Stratum: E

Height avg. = 11.0m, 1 site

Crown cover avg. = 6.1%, 1 site

Stem density/ha avg. = 40, 1 site

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

Frequent species (cover, frequency): Eucalyptus portuensis (7, 33%)

Stratum: T1

Height avg. = 11.3m, range 5-19m, 3 sites

Crown cover avg. = 49.7%, range 31.4-69.2%, 3 sites

Stem density/ha avg. = 347, range 140-580, 3 sites

Dominant species (relative cover, frequency): Allocasuarina inophloia (97, 33%), Eucalyptus cullenii (57, 33%), Corymbia leichhardtii (33, 100%), Corymbia citriodora (23, 33%), Eucalyptus cloeziana (11, 67%)

Frequent species (cover, frequency): Corymbia leichhardtii (15, 100%), Eucalyptus cloeziana (6, 67%), Acacia calyculata (33%), Allocasuarina inophloia (29, 33%), Corymbia citriodora (14, 33%), Eucalyptus cullenii (34, 33%), Eucalyptus lockyeri (33%), Eucalyptus shirleyi (1, 33%), Lophostemon suaveolens (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: T2

Height avg. = 8.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 60, 1 site

Dominant species (relative cover, frequency): Eucalyptus cloeziana (95, 33%), Grevillea glauca (2, 33%), Eucalyptus cullenii (2, 33%), Corymbia leichhardtii (2, 33%)

Frequent species (cover, frequency): Corymbia leichhardtii (33%), Eucalyptus cloeziana (1, 33%), Eucalyptus cullenii (33%), Grevillea glauca (33%)

Stratum: S1

Height avg. = 1.8m, range 1.5-2m, 3 sites

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

Stem density/ha avg. = 707, range 440-900, 3 sites

Dominant species (relative cover, frequency): Petalostigma pubescens (92, 33%), Eucalyptus lockyeri (31, 33%), Corymbia leichhardtii (31, 100%), Eucalyptus shirleyi (11, 33%), Angiosperm indet. (11, 33%)

Frequent species (cover, frequency): Corymbia leichhardtii (100%), Grevillea glauca (67%), Persoonia falcata (67%), Xanthorrhoea johnsonii (67%), Acacia leptostachya (33%), Acacia whitei (33%), Allocasuarina inophloia (33%), Angiosperm indet. (33%), Bursaria incana (33%), Capparis indet. (33%), Corymbia citriodora (33%), Eucalyptus cullenii (33%), Eucalyptus lockyeri (33%), Eucalyptus shirleyi (33%), Maytenus cunninghamii (33%), Petalostigma pubescens (1, 33%), Pogonolobus reticulatus (33%)

Stratum: S2

Height avg. = 1.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 260, 1 site

Dominant species (relative cover, frequency): Acacia nuperrima (71, 33%), Grevillea glauca (12, 33%), Petalostigma pubescens (2, 33%), Jacksonia thesioides (2, 33%), Eucalyptus cloeziana (2, 33%)

Frequent species (cover, frequency): Acacia nuperrima (1, 33%), Bursaria incana (33%), Capparis indet. (33%), Distichostemon dodecandrus (33%), Dodonaea lanceolata (33%), Eucalyptus cloeziana (33%), Grevillea glauca (33%), Jacksonia thesioides (33%), Petalostigma pubescens (33%)

Stratum: G

Height avg. = 0.6m, range 0.5-0.8m, 3 sites

PFC avg. = 56.7%, range 46-71%, 3 sites

Dominant species (relative cover, frequency): Themeda triandra (52, 100%), Schizachyrium indet. (26, 33%), Xanthorrhoea johnsonii (11, 33%), Thaumastochloa major (9, 33%), Jacksonia thesioides (8, 67%)

Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (31, 100%), Aristida calycina (2, 67%), Arundinella nepalensis (67%), Heteropogon triticeus (1, 67%), Chrysopogon fallax (2, 33%), Eriachne ciliata (33%), Eriachne rara (4, 33%), Ischaemum indet. (33%), Sarga plumosum (2, 33%), Schizachyrium indet. (14, 33%), Scleria sphacelata (3, 33%), Sorghum indet. (33%), Thaumastochloa major (5, 33%)

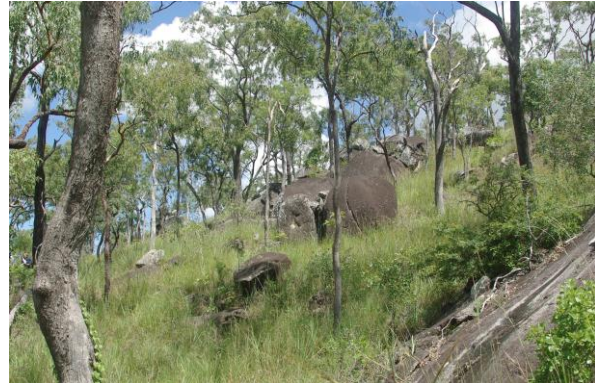
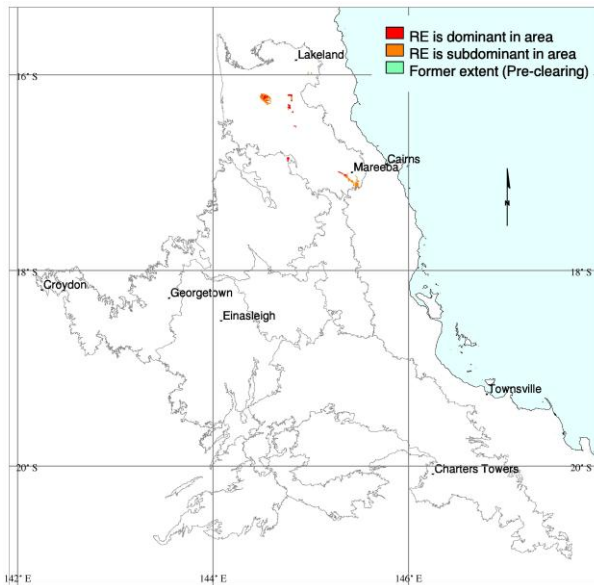
FORBS: Desmodium rhytidophyllum (67%), Jacksonia thesioides (4, 67%), Rostellularia adscendens (1, 67%), Acacia multisiliqua (3, 33%), Acacia nuperrima (2, 33%), Allocasuarina inophloia (33%), Anisomeles malabarica (33%), Blumea saxatilis (33%), Brachychiton indet. (33%), Breynia oblongifolia (33%), Bursaria incana (33%), Cartonema spicatum (33%), Chamaecrista concinna (33%), Corymbia citriodora (1, 33%), Crotalaria indet. (33%), Cyanthillium cinereum (33%), Desmodium filiforme (33%), Dianella indet. (33%), Dodonaea lanceolata (33%), Eucalyptus shirleyi (33%), Glycine curvata (33%), Glycine indet. (33%), Gompholobium nitidum (33%), Gonocarpus acanthocarpus (1, 33%), Helichrysum newcastlianum (2, 33%), Hibbertia longifolia (33%), Hibbertia stirlingii forma stirlingii (33%), Hovea indet. (33%), Indigofera linnaei (33%), Indigofera pratensis (33%), Indigofera sericovexilla (33%), Jacksonia indet. (33%), Laxmannia gracilis (33%), Lomandra indet. (3, 33%), Melichrus adpressus (33%), Oldenlandia indet. (33%), Peripleura diffusa (33%), Persoonia falcata (1, 33%), Petalostigma pubescens (1, 33%), Phyllanthus virgatus (1, 33%), Pimelea indet. (33%), Podolepis arachnoidea (33%), Sauropus elachophyllus (33%), Stachytarpheta jamaicensis (33%), Styliidium indet. (33%), Tephrosia filipes (33%), Wahlenbergia indet. (1, 33%), Wikstroemia indica (33%), Xanthorrhoea johnsonii (8, 33%), Zornia muelleriana subsp. muelleriana (3, 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 leptophleba and Corymbia clarksoniana +/- E. crebra or E. cullenii woodland on igneous hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 6,608 6,338 96%

Species recorded: Total: 66; woody: 25; ground: 41; Avg. spp./site: 29.0; std dev.: 2.9, 3 site(s)

Basal area: Avg./site: 8.0 m²/ha, range: 7.5 - 9 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

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

Representative sites: 25932, 26965, 37124.

Stratum: T1

Height avg. = 17.3m, range 14-20m, 3 sites

Crown cover avg. = 44.9%, range 33.7-50.5%, 3 sites

Stem density/ha avg. = 247, range 200-300, 3 sites

Dominant species (relative cover, frequency): Corymbia intermedia (47, 33%), Eucalyptus leptophleba (42, 100%), Corymbia clarksoniana (34, 67%), Corymbia erythrophloia (15, 100%), Eucalyptus crebra (6, 67%)

Frequent species (cover, frequency): Corymbia erythrophloia (6, 100%), Eucalyptus leptophleba (14, 100%), Corymbia clarksoniana (11, 67%), Corymbia dallachiana (67%), Eucalyptus crebra (2, 67%), Brachychiton indet. (33%), Corymbia confertiflora (33%), Corymbia intermedia (18, 33%), Corymbia tessellaris (33%), Dendrobium canaliculatum (33%), Eucalyptus cullenii (33%), Euroschinus falcatus (33%), Grevillea glauca (33%)

Stratum: T2

Height avg. = 7.0m, range 5-9m, 2 sites

Crown cover avg. = 5.2%, range 0.6-9.8%, 2 sites

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

Dominant species (relative cover, frequency): Corymbia erythrophloia (78, 67%), Eucalyptus leptophleba (40, 33%), Ficus indet. (3, 33%), Erythrina vespertilio (3, 33%)

Frequent species (cover, frequency): Corymbia erythrophloia (3, 67%), Erythrina vespertilio (33%), Eucalyptus leptophleba (3, 33%), Ficus indet. (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. = 2.2m, range 1.5-3m, 3 sites

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

Stem density/ha avg. = 300, range 140-420, 3 sites

Dominant species (relative cover, frequency): *Euroschinus falcatus* (14, 33%), *Brachychiton indet.* (14, 33%), *Corymbia erythrophloia* (14, 67%), *Corymbia intermedia* (14, 33%), *Eucalyptus leptophleba* (14, 67%)

Frequent species (cover, frequency): *Canarium australianum* (67%), *Corymbia clarksoniana* (67%), *Corymbia erythrophloia* (67%), *Eucalyptus leptophleba* (67%), *Planchonia careya* (67%), *Acacia bidwillii* (33%), *Brachychiton indet.* (33%), *Breynia cernua* (33%), *Corymbia intermedia* (33%), *Erythrina vespertilio* (33%), *Euroschinus falcatus* (33%), *Euroschinus falcatus var. falcatus* (33%), *Ficus indet.* (33%), *Ficus obliqua* (33%), *Grevillea glauca* (33%), *Grevillea mimosoides* (33%), *Grevillea parallela* (33%), *Larsenaikia ochreatea* (33%), *Santalum lanceolatum* (33%)

Stratum: G

Height avg. = 0.7m, range 0.5-0.8m, 3 sites

PFC avg. = 63.3%, range 60-67%, 3 sites

Dominant species (relative cover, frequency): *Themeda triandra* (37, 100%), *Heteropogon triticeus* (14, 100%), *Heteropogon contortus* (9, 67%), *Mnesithea rottboellioides* (8, 100%), *Wikstroemia indica* (6, 33%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon triticeus* (8, 100%), *Mnesithea rottboellioides* (4, 100%), *Themeda triandra* (23, 100%), *Heteropogon contortus* (4, 67%), *Arundinella setosa* (33%), *Capillipedium indet.* (1, 33%), *Cymbopogon bombycinus* (33%), *Poaceae indet.* (2, 33%), *Sarga plumosum* (33%), *Scleria brownii* (33%)

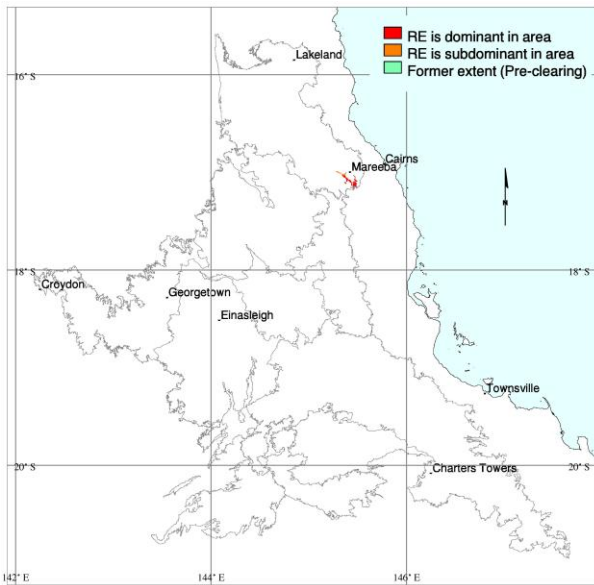
FORBS: *Flemingia parviflora* (67%), *Grewia retusifolia* (67%), *Indigofera pratensis* (67%), *Ageratum indet.* (33%), *Asteraceae indet.* (33%), *Cayratia indet.* (2, 33%), *Cissus repens* (33%), *Clematicissus opaca* (33%), *Commelina indet.* (1, 33%), *Crotalaria aridicola* (33%), *Crotalaria goreensis** (33%), *Cyanthillium cinereum* (33%), *Desmodium indet.* (33%), *Desmodium rhytidophyllum* (33%), *Dianella indet.* (33%), *Fabaceae indet.* (33%), *Flemingia indet.* (33%), *Glochidion indet.* (33%), *Glycine indet.* (4, 33%), *Grewia latifolia* (3, 33%), *Hybanthus enneaspermus* (33%), *Lamiaceae indet.* (2, 33%), *Phyllanthus indet.* (33%), *Rhynchosia minima* (33%), *Rostellularia adscendens* (33%), *Tephrosia indet.* (33%), *Tricoryne indet.* (33%), *Wahlenbergia caryophylloides* (33%), *Wikstroemia indet.* (33%), *Wikstroemia indica* (33%), *Wollastonia biflora* (1, 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 and Corymbia clarksoniana +/- E. leptophleba woodland on igneous hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,450 3,191 92%

Species recorded: Total: 79; woody: 40; ground: 46; Avg. spp./site: 25.5; std dev.: 5.3, 6 site(s)

Basal area: Avg./site: 13.0 m²/ha, range: 13.0 - 13 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 83%; open-forest: 17%, 6 site(s)

Representative sites: 25573, 25574, 25929, 25930, 25931, 25993.

Stratum: T1

Height avg. = 16.7m, range 11-23m, 6 sites
 Crown cover avg. = 41.5%, range 24.7-64.7%, 6 sites
 Stem density/ha avg. = 150, range 80-220, 6 sites
Dominant species (relative cover, frequency): Corymbia clarksoniana (61, 83%), Eucalyptus crebra (55, 83%)
Frequent species (cover, frequency): Corymbia clarksoniana (29, 83%), Eucalyptus crebra (16, 83%), Corymbia dallachiana (33%), Corymbia tessellaris (33%), Eucalyptus leptophleba (17%), Eucalyptus tereticornis (12, 17%)

Stratum: T2

Height avg. = 8.3m, range 6-11m, 4 sites
 Crown cover avg. = 11.3%, range 0.0-29.2%, 4 sites
 Stem density/ha avg. = 230, range 20-580, 4 sites
Dominant species (relative cover, frequency): Corymbia clarksoniana (55, 50%), Melaleuca viridiflora (13, 33%)
Frequent species (cover, frequency): Corymbia clarksoniana (5, 50%), Melaleuca viridiflora (33%), Acacia crassicaarpa (17%), Alphitonia pomaderroides (17%), Brachychiton indet. (17%), Casuarina indet. (17%), Corymbia dallachiana (17%), Euroschinus falcatus (17%), Grevillea glauca (3, 17%), Grevillea parallela (17%), Petalostigma pubescens (6, 17%), Planchonia careya (1, 17%), Siphonodon pendulus (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. = 1.9m, range 1.5-2m, 6 sites

Crown cover avg. = 2.1%, range 0.0-6.1%, 6 sites

Stem density/ha avg. = 336, range 140-600, 5 sites

Dominant species (relative cover, frequency): *Corymbia clarksoniana* (45, 50%), *Eucalyptus crebra* (31, 33%), *Petalostigma pubescens* (14, 33%), *Planchonia careya* (7, 33%), *Acacia aulacocarpa* (7, 33%)

Frequent species (cover, frequency): *Aristida indet.* (3, 17%), *Corymbia clarksoniana* (1, 50%), *Corymbia dallachiana* (50%), *Grevillea glauca* (50%), *Persoonia falcata* (50%), *Acacia aulacocarpa* (33%), *Acacia crassicaarpa* (33%), *Acacia leptostachya* (33%), *Alphitonia pomaderroides* (33%), *Eucalyptus crebra* (33%), *Maytenus cunninghamii* (33%), *Melaleuca nervosa* (33%), *Petalostigma pubescens* (33%), *Planchonia careya* (33%), *Wikstroemia indica* (33%), *Acacia bidwillii* (1, 17%), *Acacia leptocarpa* (17%), *Bursaria incana* (17%), *Cayratia trifolia* (17%), *Cycas indet.* (17%), *Dolichandrone heterophylla* (17%), *Erythrina vespertilio* (17%), *Eucalyptus tereticornis* (17%), *Euroschinus falcatus* (17%), *Ficus opposita* (17%), *Grevillea parallela* (17%), *Hakea persiehana* (17%), *Larsenaikia indet.* (17%), *Larsenaikia ochreatea* (17%), *Mallotus philippensis* (17%), *Melaleuca viridiflora* (2, 17%), *Santalum lanceolatum* (17%), *Trema indet.* (17%), *Xanthorrhoea johnsonii* (3, 17%), *Xylomelum scottianum* (17%)

Stratum: G

Height avg. = 0.3m, range 0.1-0.6m, 6 sites

PFC avg. = 47.5%, range 25-70%, 6 sites

Dominant species (relative cover, frequency): *Themeda triandra* (62, 83%), *Heteropogon contortus* (22, 100%), *Melinis minutiflora** (9, 33%), *Mnesithea rottboellioides* (8, 50%), *Mitracarpus hirtus** (7, 67%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (10, 100%), *Themeda triandra* (31, 83%), *Heteropogon triticeus* (1, 67%), *Aristida indet.* (3, 50%), *Mnesithea rottboellioides* (5, 50%), *Melinis minutiflora** (3, 33%), *Arundinella indet.* (17%), *Arundinella setosa* (5, 17%), *Cymbopogon indet.* (17%), *Eragrostis indet.* (17%), *Melinis repens** (17%), *Schizachyrium fragile* (17%)

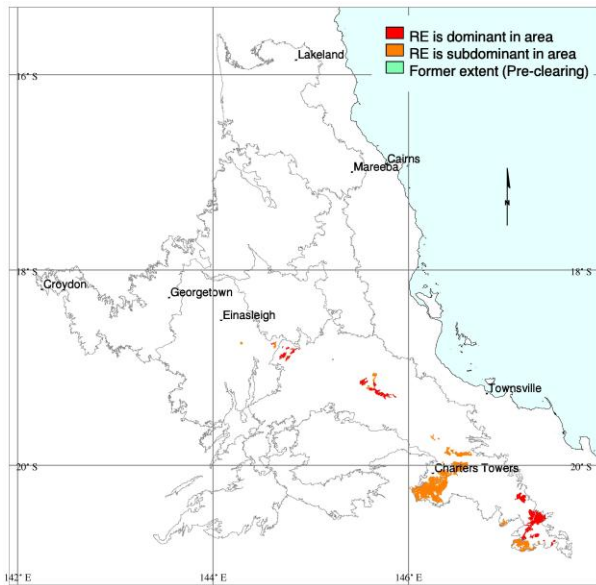
FORBS: *Pterocaulon redolens* (1, 83%), *Indigofera pratensis* (67%), *Mitracarpus hirtus** (3, 67%), *Breynia cernua* (50%), *Cyanthillium cinereum* (50%), *Cheilanthes indet.* (33%), *Flemingia parviflora* (5, 33%), *Grewia retusifolia* (33%), *Stylosanthes guianensis** (33%), *Wikstroemia indica* (33%), *Allocasuarina littoralis* (17%), *Asteraceae indet.* (17%), *Canarium australasicum* (17%), *Crotalaria calycina* (17%), *Crotalaria goreensis** (17%), *Crotalaria montana* (17%), *Exocarpos latifolius* (17%), *Galactia indet.* (17%), *Glycine indet.* (17%), *Grevillea parallela* (17%), *Grewia indet.* (17%), *Hibiscus meraukensis* (17%), *Hybanthus enneaspermus* (17%), *Hyptis suaveolens** (17%), *Lomandra indet.* (17%), *Maytenus cunninghamii* (17%), *Pandanus indet.* (17%), *Persoonia falcata* (17%), *Phyllanthus virgatus* (17%), *Planchonia careya* (17%), *Platysace valida* (17%), *Sida rhombifolia** (17%), *Stylosanthes indet.* (17%), *Xylomelum scottianum* (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 persists woodland on rhyolites and granites



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 62,764 60,254 96%

Species recorded: Total: 61; woody: 18; ground: 44; Avg. spp./site: 22.0; std dev.: 7.0, 2 site(s)

Basal area: Avg./site: 6.5 m²/ha, range: 4.0 - 9 m²/ha, std. deviation: 2 m²/ha, 3 site(s)

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

Representative sites: 26006, 26198, 27091.

Stratum: T1

Height avg. = 13.3m, range 10-16m, 3 sites

Crown cover avg. = 29.8%, range 20.3-44.4%, 3 sites

Stem density/ha avg. = 220, range 80-360, 2 sites

Dominant species (relative cover, frequency): Eucalyptus persistens (81, 100%), Corymbia clarksoniana (50, 33%), Eucalyptus crebra (8, 33%)

Frequent species (cover, frequency): Eucalyptus persistens (21, 100%), Corymbia clarksoniana (33%), Eucalyptus crebra (3, 33%)

Stratum: T2

Height avg. = 7.3m, range 5-10m, 3 sites

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

Stem density/ha avg. = 90, range 80-100, 2 sites

Dominant species (relative cover, frequency): Eucalyptus persistens (78, 100%), Corymbia clarksoniana (48, 33%), Flindersia dissosperma (5, 33%), Grevillea striata (3, 33%), Terminalia aridicola (3, 33%)

Frequent species (cover, frequency): Eucalyptus persistens (100%), Corymbia clarksoniana (33%), Dolichandrone heterophylla (33%), Flindersia dissosperma (33%), Grevillea striata (33%), Petalostigma banksii (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. = 1.7m, range 1-2m, 3 sites

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

Stem density/ha avg. = 270, range 180-360, 2 sites

Dominant species (relative cover, frequency): *Carissa lanceolata* (56, 67%), *Petalostigma banksii* (54, 33%), *Maytenus cunninghamii* (15, 67%), *Eucalyptus persistens* (15, 67%), *Atalaya hemiglauca* (11, 100%)

Frequent species (cover, frequency): *Atalaya hemiglauca* (100%), *Carissa lanceolata* (67%), *Erythroxylum australe* (67%), *Eucalyptus persistens* (67%), *Maytenus cunninghamii* (67%), *Acacia indet.* (33%), *Bursaria incana* (33%), *Carissa ovata* (33%), *Dolichandrone heterophylla* (33%), *Lamprolobium fruticosum* (33%), *Petalostigma banksii* (33%), *Psydrax johnsonii* (33%), *Ventilago viminalis* (33%)

Stratum: G

Height avg. = 0.3m, range 0.3-0.3m, 2 sites

PFC avg. = 19.0%, range 7-31%, 2 sites

Dominant species (relative cover, frequency): *Triodia indet.* (63, 33%), *Perotis rara* (45, 33%), *Aristida hygrometrica* (30, 33%), *Chrysopogon fallax* (24, 33%), *Urochloa pubigera* (8, 33%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida hygrometrica* (2, 33%), *Aristida indet.* (33%), *Aristida ingrata* (1, 33%), *Chrysopogon fallax* (3, 33%), *Enneapogon indet.* (33%), *Eragrostis elongata* (33%), *Eragrostis indet.* (33%), *Eulalia indet.* (33%), *Fimbristylis indet.* (33%), *Heteropogon contortus* (33%), *Melinis repens** (33%), *Perotis rara* (3, 33%), *Themeda triandra* (33%), *Triodia indet.* (8, 33%), *Urochloa pubigera* (1, 33%)

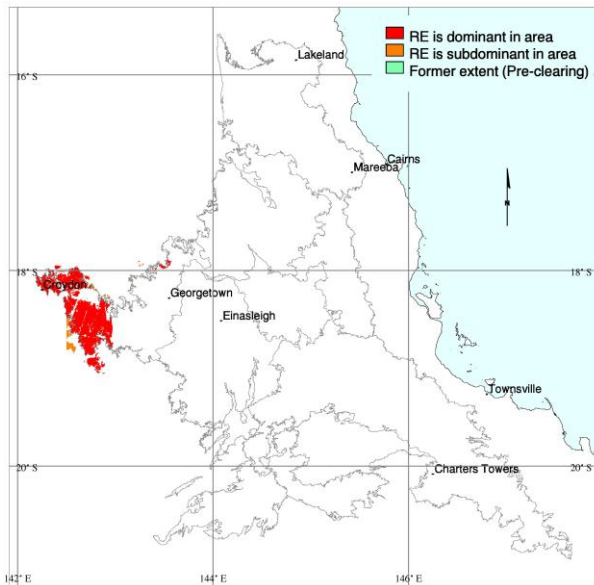
FORBS: *Brunoniella indet.* (33%), *Chrysocephalum apiculatum* (33%), *Euphorbiaceae indet.* (33%), *Evolvulus alsinoides* (33%), *Lomandra indet.* (33%), *Malvastrum americanum** (33%), *Rostellularia adscendens* (33%), *Sauropus indet.* (33%), *Waltheria indica* (33%)

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 +/- Corymbia pocillum +/- E. melanophloia low open-woodland on rolling hills on igneous rocks



Mark Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 205,925 205,504 100%

Species recorded: Total: 67; woody: 18; ground: 52; Avg. spp./site: 13.1; std dev.: 6.8, 8 site(s)

Basal area: Avg./site: 2.8 m²/ha, range: 1.0 - 6 m²/ha, std. deviation: 2 m²/ha, 7 site(s)

Structural formation: Low open-woodland: 63%; tall open-shrubland: 25%; open-woodland: 13%, 8 site(s)

Representative sites: 26208, 26226, 26713, 26720, 26746, 26802, 26843, 26845.

Stratum: E

Height avg. = 6.5m, range 5-8m, 2 sites

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

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): Eucalyptus microneura (51, 25%)

Frequent species (cover, frequency): Eucalyptus microneura (25%), Corymbia pocillum (2, 13%)

Stratum: T1

Height avg. = 6.2m, range 3-12m, 6 sites

Crown cover avg. = 6.3%, range 0.6-11.8%, 6 sites

Stem density/ha avg. = 120, range 60-240, 4 sites

Dominant species (relative cover, frequency): Eucalyptus microneura (95, 75%), Corymbia setosa (6, 25%), Corymbia pocillum (4, 25%)

Frequent species (cover, frequency): Eucalyptus microneura (6, 75%), Corymbia pocillum (25%), Corymbia setosa (25%), Acacia leptostachya (13%), Corymbia erythrophloia (1, 13%), Erythrophleum chlorostachys (13%), Eucalyptus melanophloia (13%), Maytenus cunninghamii (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. = 1.9m, range 1-3.5m, 8 sites

Crown cover avg. = 5.0%, range 0.0-15.9%, 8 sites

Stem density/ha avg. = 268, range 80-540, 5 sites

Dominant species (relative cover, frequency): *Petalostigma banksii* (87, 63%), *Gardenia vilhelmii* (82, 25%), *Eucalyptus microneura* (20, 50%)

Frequent species (cover, frequency): *Petalostigma banksii* (5, 63%), *Eucalyptus microneura* (50%), *Gardenia vilhelmii* (8, 25%), *Acacia acradenia* (1, 13%), *Acacia leptostachya* (1, 13%), *Alphitonia pomaderroides* (1, 13%), *Distichostemon indet.* (13%), *Erythrophleum chlorostachys* (1, 13%), *Grevillea mimosoides* (13%), *Indigofera indet.* (13%), *Maytenus cunninghamii* (13%), *Triumfetta marsupinata* (13%)

Stratum: S2

Height avg. = 1.0m, range 1-1m, 2 sites

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

Stem density/ha avg. = 570, range 180-960, 2 sites

Dominant species (relative cover, frequency): *Petalostigma banksii* (73, 25%)

Frequent species (cover, frequency): *Petalostigma banksii* (25%), *Dodonaea physocarpa* (13%), *Indigofera pratensis var. pratensis* (13%)

Stratum: G

Height avg. = 0.4m, range 0.2-0.7m, 8 sites

PFC avg. = 54.8%, range 10-81%, 8 sites

Dominant species (relative cover, frequency): *Aristida holathera var. holathera* (53, 25%), *Capillipedium parviflorum* (48, 63%), *Aristida indet.* (36, 38%), *Aristida ingrata* (26, 25%), *Schizachyrium indet.* (22, 63%)

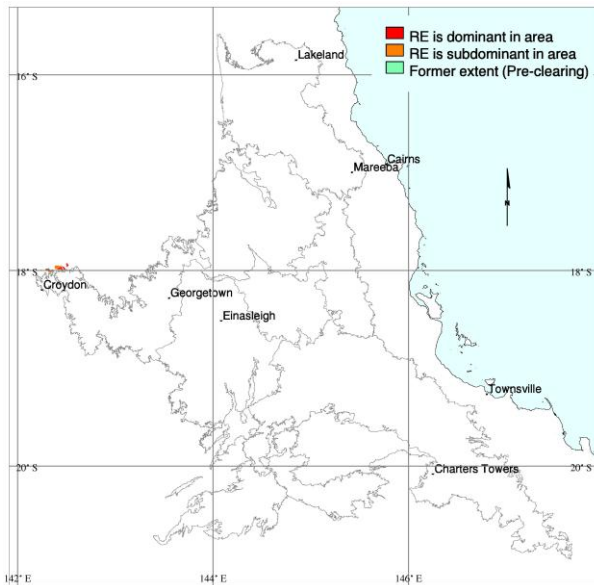
Frequent species (cover, frequency): **GRAMINOIDS:** *Capillipedium parviflorum* (33, 63%), *Schizachyrium indet.* (15, 63%), *Aristida indet.* (16, 38%), *Aristida holathera var. holathera* (30, 25%), *Aristida ingrata* (15, 25%), *Heteropogon contortus* (8, 25%), *Aristida holathera* (1, 13%), *Enneapogon indet.* (13%), *Enneapogon lindleyanus* (13%), *Eriachne ciliata* (13%), *Eriachne indet.* (7, 13%), *Eriachne melicacea* (1, 13%), *Heteropogon triticeus* (5, 13%), *Mnesithea formosa* (13%), *Sarga plumosum* (2, 13%), *Schizachyrium fragile* (4, 13%), *Setaria surgens* (13%), *Sorghum indet.* (5, 13%), *Tripogon loliiiformis* (1, 13%)
FORBS: *Polycarpha corymbosa* (38%), *Evolvulus alsinoides* (25%), *Indigofera indet.* (25%), *Indigofera pratensis* (2, 25%), *Stylosanthes indet.* (2, 25%), *Acacia julifera* (13%), *Acacia leptostachya* (13%), *Asteraceae indet.* (2, 13%), *Buchnera linearis* (13%), *Chamaesyce mitchelliana* (13%), *Crotalaria montana* (13%), *Desmodium filiforme* (13%), *Dodonaea physocarpa* (13%), *Fabaceae indet.* (13%), *Glycine indet.* (13%), *Gomphrena flaccida* (13%), *Gomphrena lanata* (13%), *Hibiscus meraukensis* (13%), *Hyptis suaveolens** (13%), *Indigofera linnaei* (13%), *Microstachys chamaelea* (13%), *Mitrasacme indet.* (13%), *Oldenlandia laceyi* (13%), *Oldenlandia mitrasacmoides* (2, 13%), *Polygala indet.* (13%), *Sida hackettiana* (13%), *Spermacoce stenophylla* (13%), *Stackhousia viminea* (13%), *Stemodia lythrifolia* (13%), *Tephrosia leptoclada* (2, 13%), *Trianthema rhynchocalyptra* (13%), *Waltheria indica* (13%), *Zornia indet.* (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

Corymbia pocillum +/- Eucalyptus microneura +/- E. chartaboma +/- Erythrophleum chlorostachys open-woodland on outwash from granite or rhyolite hills



E.J. Thompson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 2,884 2,884 100%

Species recorded: Total: 69; woody: 16; ground: 54; Avg. spp./site: 40.5; std dev.: 0.5, 2 site(s)

Basal area: Avg./site: 1.9 m²/ha, range: 1.3 - 3 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

Structural formation: Open-woodland: 100%, 2 site(s)

Representative sites: 26795, 26800.

Stratum: T1

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

Crown cover avg. = 7.9%, range 6.1-9.8%, 2 sites

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Corymbia pocillum (69, 100%), Eucalyptus chartaboma (58, 50%), Erythrophleum chlorostachys (3, 50%)

Frequent species (cover, frequency): Corymbia pocillum (5, 100%), Corymbia confertiflora (50%), Erythrophleum chlorostachys (50%), Eucalyptus chartaboma (4, 50%), Eucalyptus microneura (50%)

Stratum: S1

Height avg. = 4.5m, range 4-5m, 2 sites

Crown cover avg. = 1.5%, range 0.0-2.9%, 2 sites

Stem density/ha avg. = 100, range 40-160, 2 sites

Dominant species (relative cover, frequency): Petalostigma banksii (83, 100%), Planchonia careya (6, 50%), Erythrophleum chlorostachys (6, 50%), Brachychiton paradoxus (6, 50%), Acacia holosericea var. holosericea (6, 50%)

Frequent species (cover, frequency): Acacia julifera (100%), Petalostigma banksii (2, 100%), Acacia holosericea var. holosericea (50%), Brachychiton paradoxus (50%), Ehretia saligna (50%), Erythrophleum chlorostachys (50%), Melaleuca nervosa (50%), Melaleuca viridiflora (50%), Planchonia careya (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: S2

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

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

Stem density/ha avg. = 180, range 80-280, 2 sites

Dominant species (relative cover, frequency): *Petalostigma banksii* (100, 50%), *Mitrasacme connata* (25, 50%), *Indigofera pratensis* var. *pratensis* (25, 50%), *Erythrophleum chlorostachys* (25, 50%), *Antidesma parvifolium* (25, 50%)

Frequent species (cover, frequency): *Antidesma parvifolium* (50%), *Erythrophleum chlorostachys* (50%), *Indigofera pratensis* var. *pratensis* (50%), *Mitrasacme connata* (50%), *Petalostigma banksii* (1, 50%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.4m, 2 sites

PFC avg. = 13.5%, range 13-14%, 2 sites

Dominant species (relative cover, frequency): *Sarga plumosum* (58, 100%), *Schizachyrium fragile* (16, 100%), *Aphyllodium biarticulatum* (12, 50%), *Heteropogon triticeus* (3, 100%), *Dicliptera armata* (1, 50%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida holathera* (100%), *Eriachne melicacea* (100%), *Heteropogon triticeus* (1, 100%), *Mnesithea formosa* (100%), *Sarga plumosum* (9, 100%), *Schizachyrium fragile* (3, 100%), *Aristida ingrata* (50%), *Cymbopogon bombycinus* (50%), *Ectrosia agrostoides* (50%), *Eriachne armitii* (50%), *Eriachne ciliata* (50%), *Eriachne mucronata* (50%), *Fimbristylis densa* (50%), *Fimbristylis squarrolosa* (50%), *Heteropogon contortus* (50%), *Rhynchospora heterochaeta* (50%), *Setaria apiculata* (50%), *Setaria surgens* (50%)

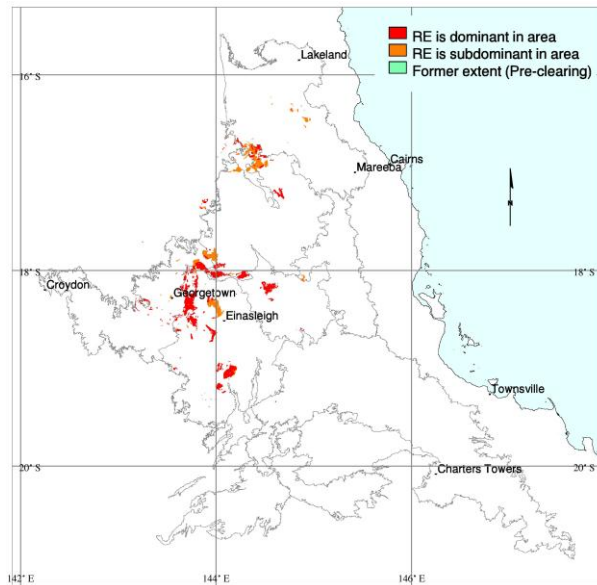
FORBS: *Crotalaria medicaginea* (100%), *Waltheria indica* (100%), *Alysicarpus ovalifolius** (50%), *Aphyllodium biarticulatum* (2, 50%), *Blumea saxatilis* (50%), *Bonamia media* (50%), *Buchnera linearis* (50%), *Cartonema spicatum* (50%), *Chamaecrista nomame* (50%), *Chamaesyce indet.* (50%), *Chamaesyce mitchelliana* var. *mitchelliana* (50%), *Desmodium brownii* (50%), *Dicliptera armata* (50%), *Drosera lanata* (50%), *Heliotropium indet.* (50%), *Hybanthus enneaspermus* (50%), *Indigofera colutea* (50%), *Indigofera hirsuta* (50%), *Indigofera pratensis* var. *pratensis* (50%), *Murdannia graminea* (50%), *Oldenlandia laceyi* (50%), *Polycarpaea corymbosa* (50%), *Polygala indet.* (50%), *Polygala longifolia* (50%), *Polymeria ambigua* (50%), *Pterocaulon redolens* (50%), *Sauropus trachyspermus* (50%), *Sida spinosa** (50%), *Spermacoce brachystema* (50%), *Spermacoce indet.* (50%), *Stylidium floodii* (50%), *Stylosanthes hamata** (50%), *Stylosanthes humilis** (50%), *Tephrosia leptoclada* (50%), *Triumfetta micracantha* (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

Cochlospermum gregorii or C. gillivraei +/- Terminalia spp. +/- Erythrophleum chlorostachys low open-woodland on rocky outcrops



C. Kahler

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 136,558 136,149 100%

Species recorded: Total: 172; woody: 69; ground: 111; Avg. spp./site: 24.8; std dev.: 6.0, 11 site(s)

Basal area: Avg./site: 4.4 m²/ha, range: 1.0 - 13 m²/ha, std. deviation: 3 m²/ha, 12 site(s)

Structural formation: Low open-woodland: 69%; low woodland: 31%, 13 site(s)

Representative sites: 26030, 26515, 26516, 26517, 26519, 26653, 26654, 26668, 26697, 26874, 27004, 27005, 27120.

Stratum: E

Height avg. = 6.0m, 1 site
Crown cover avg. = 1.6%, 1 site

Frequent species (cover, frequency): Corymbia erythrophloia (2, 8%)

Stratum: T1

Height avg. = 5.4m, range 3.5-8m, 13 sites
Crown cover avg. = 14.9%, range 1.6-42.3%, 13 sites
Stem density/ha avg. = 323, range 20-1100, 13 sites

Dominant species (relative cover, frequency): Cochlospermum gregorii (83, 31%), Corymbia erythrophloia (37, 46%), Eucalyptus crebra (29, 23%), Cochlospermum gillivraei (23, 38%), Terminalia aridicola (22, 62%)

Frequent species (cover, frequency): Terminalia aridicola (4, 62%), Erythrophleum chlorostachys (1, 54%), Corymbia erythrophloia (3, 46%), Cochlospermum gillivraei (7, 38%), Cochlospermum gregorii (8, 31%), Erythroxylum ellipticum (2, 31%), Eucalyptus crebra (4, 23%), Acacia julifera subsp. julifera (4, 15%), Alphitonia excelsa (15%), Bursaria incana (15%), Cochlospermum indet. (15%), Eucalyptus microneura (2, 15%), Melaleuca viridiflora (15%), Acacia indet. (8%), Acacia leptostachya (8%), Alphitonia pomaderroides (2, 8%), Antidesma parvifolium (8%), Atalaya hemiglauca (8%), Brachychiton chillagoensis (8%), Brachychiton indet. (8%), Brachychiton paradoxus (8%), Canarium australianum (8%), Canarium indet. (8%), Clerodendrum floribundum (8%), Corymbia peltata (1, 8%), Drypetes deplanchei (8%), Erythroxylum indet. (8%), Ficus opposita (8%), Grevillea coriacea (8%), Grevillea glauca (8%), Grevillea pteridifolia (8%), Lophostemon grandiflorus (8%), Lysiphylum indet. (8%), Petalostigma banksii (8%), Petalostigma pubescens (8%), Pleiogynium timorense (1, 8%), Pouteria sericea (8%), Santalum lanceolatum (8%), Terminalia aridicola subsp. chillagoensis (8%), Wrightia saligna (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. = 1.8m, range 1-4m, 12 sites

Crown cover avg. = 1.6%, range 0.0-9.8%, 12 sites

Stem density/ha avg. = 263, range 60-1000, 11 sites

Dominant species (relative cover, frequency): Terminalia aridicola (43, 23%), Erythrophleum chlorostachys (34, 31%), Cochlospermum gillivraei (17, 23%), Grevillea mimosoides (15, 31%), Eucalyptus crebra (5, 23%)

Frequent species (cover, frequency): Erythrophleum chlorostachys (31%), Grevillea mimosoides (31%), Cochlospermum gillivraei (23%), Eucalyptus crebra (23%), Persoonia falcata (23%), Terminalia aridicola (23%), Atalaya hemiglaucata (15%), Calytrix indet. (1, 15%), Cochlospermum gregorii (15%), Corymbia erythrophloia (15%), Grevillea glauca (15%), Petalostigma banksii (5, 15%), Acacia hammondii (8%), Acacia julifera (8%), Acacia julifera subsp. julifera (8%), Acacia laccata (3, 8%), Actephila indet. (8%), Alphitonia excelsa (8%), Alphitonia sp. (Selwyn Ranges L.P. Conroy 3) (8%), Antidesma parvifolium (8%), Bidens bipinnata (8%), Brachychiton chillagoensis (8%), Brachychiton paradoxus (8%), Breynia oblongifolia (8%), Bursaria incana (8%), Canarium australasicum (8%), Clerodendrum floribundum (8%), Cochlospermum indet. (8%), Corymbia grandifolia (8%), Cycas cairnsiana (1, 8%), Ehretia membranifolia (8%), Erythroxylum ellipticum (8%), Grevillea pteridifolia (8%), Grewia retusifolia (8%), Guettarda speciosa (8%), Homalium brachybotrys (1, 8%), Jasminum didymum subsp. racemosum (8%), Labichea nitida (8%), Larsenaikia ochreatea (8%), Lophostemon grandiflorus (8%), Maytenus cunninghamii (8%), Petalostigma pubescens (8%), Pleiogynium timorense (8%), Pouteria sericea (8%), Psydrax oleifolia (8%), Senna magnifolia (8%), Tephrosia indet. (8%), Terminalia aridicola subsp. chillagoensis (8%), Wrightia saligna (8%), Xylomelum scottianum (8%)*

Stratum: S2

Height avg. = 0.8m, range 0.5-1m, 2 sites

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

Stem density/ha avg. = 60, 1 site

Frequent species (cover, frequency): Acacia galioides (8%), Cajanus acutifolius (8%), Indigofera indet. (8%), Larsenaikia ochreatea (8%), Trema orientalis (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: G

Height avg. = 0.5m, range 0.2-1m, 11 sites

PFC avg. = 41.8%, range 13-77%, 11 sites

Dominant species (relative cover, frequency): *Schizachyrium indet.* (57, 38%), *Schizachyrium fragile* (41, 31%), *Heteropogon triticeus* (15, 23%), *Heteropogon contortus* (11, 46%), *Hyptis suaveolens** (9, 31%)

Frequent species (cover, frequency): GRAMINOIDS: *Aristida indet.* (2, 54%), *Heteropogon contortus* (7, 46%), *Schizachyrium indet.* (25, 38%), *Panicum indet.* (31%), *Schizachyrium fragile* (19, 31%), *Cymbopogon bombycinus* (23%), *Heteropogon triticeus* (9, 23%), *Mnesithea formosa* (23%), *Sarga plumosum* (23%), *Digitaria indet.* (1, 15%), *Eragrostis indet.* (2, 15%), *Eriachne ciliata* (2, 15%), *Scleria brownii* (15%), *Setaria indet.* (4, 15%), *Themeda triandra* (5, 15%), *Aristida calycina* var. *calycina - A. lazaridis* (8%), *Aristida holathera* (1, 8%), *Aristida spuria* (8%), *Capillipedium indet.* (2, 8%), *Capillipedium parviflorum* (11, 8%), *Chrysopogon fallax* (8%), *Chrysopogon indet.* (8%), *Cymbopogon obtectus* (11, 8%), *Digitaria* sp. (Mt Mulligan J.R. Clarkson 5821) (3, 8%), *Echinopogon indet.* (8%), *Enneapogon indet.* (1, 8%), *Enneapogon lindleyanus* (11, 8%), *Enneapogon polyphyllus* (8%), *Eriachne indet.* (8%), *Melinis repens** (15, 8%), *Panicum seminudum* var. *cairnsonianum* (8%), *Scleria sphacelata* (8%), *Setaria surgens* (8%), *Sorghum indet.* (8%), *Triodia indet.* (8%), *Tripogon loliiformis* (8%)

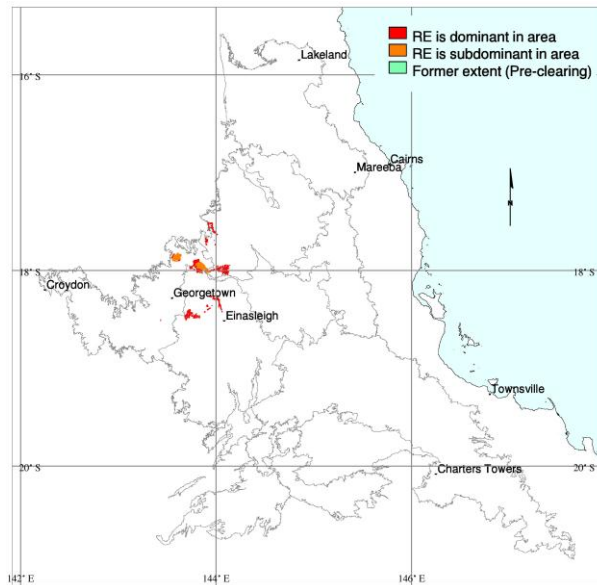
FORBS: *Evolvulus alsinoides* (1, 38%), *Glycine indet.* (3, 31%), *Hyptis suaveolens** (5, 31%), *Indigofera linifolia* (1, 31%), *Malvastrum americanum* var. *americanum** (31%), *Sida indet.* (31%), *Cheilanthes indet.* (23%), *Hibiscus indet.* (23%), *Spermacoce indet.* (23%), *Tephrosia indet.* (1, 23%), *Cajanus acutifolius* (2, 15%), *Fabaceae indet.* (1, 15%), *Indigofera indet.* (1, 15%), *Polycarpha indet.* (1, 15%), *Rostellularia indet.* (15%), *Acacia umbellata* (8%), *Alternanthera nana* (8%), *Angiosperm indet.* (8%), *Antirhea putaminosa* (8%), *Bidens indet.* (8%), *Boerhavia indet.* (8%), *Chamaecrista absus* (8%), *Crotalaria indet.* (8%), *Crotalaria medicaginea* (8%), *Crotalaria montana* (8%), *Desmodium indet.* (8, 8%), *Dianella longifolia* (8%), *Dicliptera armata* (8%), *Dicliptera indet.* (5, 8%), *Dodonaea physocarpa* (8%), *Euphorbia indet.* (8%), *Gomphrena indet.* (8%), *Goodenia armitiana* (8%), *Grewia retusifolia* (8%), *Heliotropium consimile* (8%), *Heliotropium peninsulare* (8%), *Hibiscus meraukensis* (8%), *Hyptis indet.* (5, 8%), *Indigofera hirsuta* (1, 8%), *Indigofera linnaei* (8%), *Indigofera pratensis* (8%), *Ipomoea eriocarpa* (8%), *Ipomoea indet.* (8%), *Jacquemontia paniculata* var. *tomentosa* (2, 8%), *Jasminum didymum* subsp. *racemosum* (8%), *Lomandra multiflora* subsp. *multiflora* (8%), *Malvaceae indet.* (8%), *Malvastrum americanum** (8%), *Microstachys chamaelea* (8%), *Nelsonia campestris* (8%), *Phyllanthus indet.* (1, 8%), *Phyllanthus virgatus* (8%), *Polycarpha corymbosa* (8%), *Polycarpha spirostylis* (8%), *Polygala indet.* (8%), *Polymeria ambigua* (2, 8%), *Portulaca bicolor* (8%), *Portulaca filifolia* (1, 8%), *Ptilotus indet.* (8%), *Rostellularia adscendens* (1, 8%), *Sarcostemma viminalis* subsp. *brunonianum* (8%), *Spermacoce brachystema* (8%), *Stylosanthes hamata** (6, 8%), *Stylosanthes indet.* (7, 8%), *Tacca leontopetaloides* (8%), *Tephrosia filipes* subsp. *filipes* (8%), *Tephrosia leptoclada* (8%), *Triumfetta indet.* (8%), *Waltheria indica* (8%), *Xenostegia tridentata* (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

Acacia leptostachya +/- Eucalyptus microneura +/- Cochlospermum gregorii or C. gillivraei low open-woodland on steep rocky granitic or rhyolite hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 40,631 40,589 100%

Species recorded: Total: 47; woody: 24; ground: 25; Avg. spp./site: 26.5; std dev.: 4.5, 2 site(s)

Basal area: Avg./site: 4.0 m²/ha, range: 3.0 - 5 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

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

Representative sites: 26060, 26812.

Stratum: E

Height avg. = 7.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 60, 1 site

Dominant species (relative cover, frequency): Eucalyptus microneura (100, 50%)

Frequent species (cover, frequency): Eucalyptus microneura (1, 50%)

Stratum: T1

Height avg. = 4.5m, range 4-5m, 2 sites

Crown cover avg. = 11.3%, range 4.4-18.1%, 2 sites

Stem density/ha avg. = 470, range 460-480, 2 sites

Dominant species (relative cover, frequency): Petalostigma banksii (50, 50%), Acacia leptostachya (42, 100%), Corymbia pocillum (38, 50%), Acacia monticola (7, 50%), Cochlospermum gillivraei (6, 100%)

Frequent species (cover, frequency): Acacia leptostachya (4, 100%), Cochlospermum gillivraei (100%), Eucalyptus microneura (100%), Acacia monticola (50%), Alphitonia excelsa (50%), Corymbia erythrophloia (50%), Corymbia pocillum (4, 50%), Erythrophleum chlorostachys (50%), Erythroxylum ellipticum (50%), Melaleuca viridiflora (50%), Petalostigma banksii (2, 50%), Santalum lanceolatum (50%), Terminalia aridicola subsp. chillagoensis (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. = 1.0m, range 1-1m, 2 sites

Crown cover avg. = 1.5%, range 0.0-2.9%, 2 sites

Stem density/ha avg. = 2040, 1 site

Dominant species (relative cover, frequency): *Petalostigma banksii* (76, 50%), *Grevillea dryandri* (14, 50%), *Melaleuca viridiflora* (14, 50%), *Erythrophleum chlorostachys* (14, 50%), *Planchonia careya* (10, 50%)

Frequent species (cover, frequency): *Acacia galioides* (100%), *Acacia leptostachya* (100%), *Cochlospermum gillivraei* (100%), *Eucalyptus microneura* (100%), *Atalaya salicifolia* (50%), *Corymbia pocillum* (50%), *Erythrophleum chlorostachys* (50%), *Erythroxylum ellipticum* (50%), *Euphorbia tannensis* (50%), *Grevillea dryandri* (50%), *Grevillea mimosoides* (50%), *Indigofera indet.* (50%), *Jacquemontia paniculata* (50%), *Maytenus cunninghamii* (50%), *Melaleuca viridiflora* (50%), *Petalostigma banksii* (2, 50%), *Planchonia careya* (50%), *Premna acuminata* (50%), *Waltheria indica* (50%)

Stratum: G

Height avg. = 0.3m, range 0.3-0.3m, 2 sites

PFC avg. = 64.5%, range 59-70%, 2 sites

Dominant species (relative cover, frequency): *Schizachyrium indet.* (68, 50%), *Schizachyrium fragile* (42, 50%), *Chrysopogon fallax* (21, 50%), *Echinopogon indet.* (21, 50%), *Eriachne indet.* (12, 50%)

Frequent species (cover, frequency): GRAMINOIDS: *Aristida indet.* (8, 100%), *Capillipedium parviflorum* (3, 50%), *Chrysopogon fallax* (15, 50%), *Digitaria indet.* (50%), *Echinopogon indet.* (15, 50%), *Eriachne indet.* (7, 50%), *Schizachyrium fragile* (30, 50%), *Schizachyrium indet.* (41, 50%)

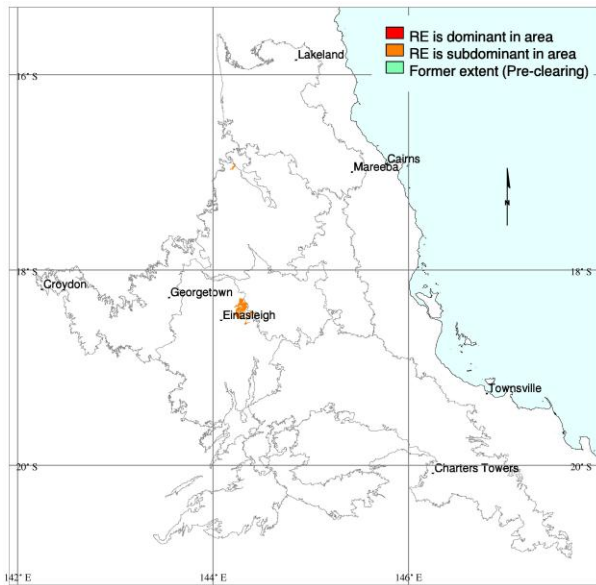
FORBS: *Acacia galioides* (1, 50%), *Acacia monticola* (2, 50%), *Cheilanthes sieberi subsp. sieberi* (50%), *Evolvulus alsinoides* (50%), *Fabaceae indet.* (50%), *Glycine indet.* (50%), *Malvastrum americanum** (50%), *Mitrasacme indet.* (1, 50%), *Oldenlandia indet.* (50%), *Peripleura obovata* (50%), *Phyllanthus indet.* (50%), *Pterocaulon sphacelatum* (50%), *Spermacoce indet.* (50%), *Tephrosia filipes* (50%), *Tephrosia indet.* (50%), *Trachymene bivistita var. bivistita* (50%), *Xenostegia tridentata* (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 leptostachya and/or Petalostigma banksii low open-woodland on granitic or rhyolite hills



G.W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 5,358 5,357 100%

Species recorded: Total: 28; woody: 6; ground: 23; Avg. spp./site: 28.0; std dev.: 0.0, 1 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: 100%, 1 site(s)

Representative sites: 26996.

Stratum: T1

Height avg. = 8.0m, 1 site

Crown cover avg. = 6.1%, 1 site

Stem density/ha avg. = 80, 1 site

Dominant species (relative cover, frequency): Corymbia erythrophloia (84, 100%), Acacia leptostachya (16, 100%)

Frequent species (cover, frequency): Acacia leptostachya (1, 100%), Corymbia erythrophloia (5, 100%), Eucalyptus tetradonta (100%)

Stratum: S1

Height avg. = 3.0m, 1 site

Crown cover avg. = 1.6%, 1 site

Stem density/ha avg. = 620, 1 site

Dominant species (relative cover, frequency): Petalostigma banksii (66, 100%), Acacia leptostachya (31, 100%), Hakea indet. (1, 100%), Grevillea parallela (1, 100%)

Frequent species (cover, frequency): Acacia leptostachya (1, 100%), Grevillea parallela (100%), Hakea indet. (100%), Petalostigma banksii (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

Stratum: G

Height avg. = 0.3m, 1 site

PFC avg. = 33.0%, 1 site

Dominant species (relative cover, frequency): Schizachyrium fragile (54, 100%), Aristida hygrometrica (13, 100%), Aristida warburgii (13, 100%), Eriachne ciliata (12, 100%), Heteropogon triticeus (2, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Aristida hygrometrica (4, 100%), Aristida ingrata (100%), Aristida warburgii (4, 100%), Bulbostylis barbata (100%), Cymbopogon bombycinus (100%), Ectrosia confusa (100%), Eriachne armitii (100%), Eriachne ciliata (4, 100%), Eriachne glauca (100%), Heteropogon contortus (100%), Heteropogon triticeus (1, 100%), Sarga plumosum (100%), Schizachyrium fragile (18, 100%)

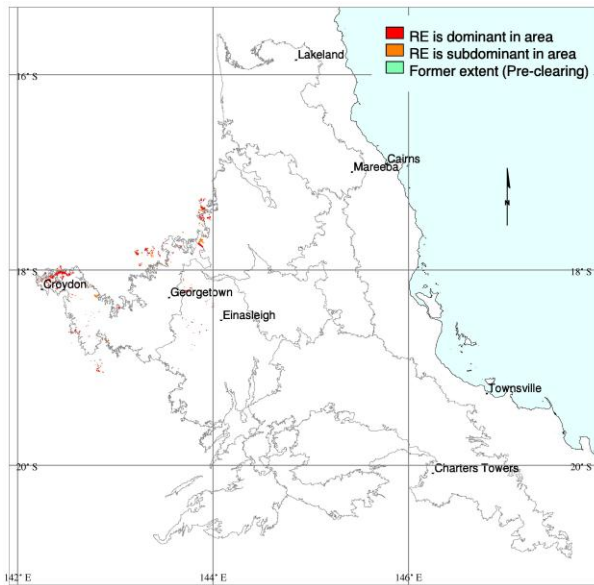
FORBS: Acacia leptostachya (100%), Boerhavia indet. (100%), Cheilanthes indet. (100%), Evolvulus alsinoides (100%), Haemodorum coccineum (100%), Polycarpaea spirostylis (100%), Spermacoce indet. (100%), Tephrosia filipes (100%), Tephrosia leptoclada (100%), Waltheria indica (100%)

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

Acacia shirleyi +/- Corymbia pocillum +/- Eucalyptus microneura woodland on igneous rocks



G.W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 22,724 22,680 100%

Species recorded: Total: 70; woody: 15; ground: 55; Avg. spp./site: 22.5; std dev.: 7.5, 4 site(s)

Basal area: Avg./site: 10.5 m²/ha, range: 3.5 - 19 m²/ha, std. deviation: 6 m²/ha, 4 site(s)

Structural formation: Woodland: 50%; low woodland: 50%, 4 site(s)

Representative sites: 26801, 26803, 26844, 27119.

Stratum: E

Height avg. = 25.0m, 1 site
 Crown cover avg. = 2.9%, 1 site
 Stem density/ha avg. = 60, 1 site
Dominant species (relative cover, frequency): Acacia shirleyi (100, 25%)
Frequent species (cover, frequency): Acacia shirleyi (4, 25%)

Stratum: T1

Height avg. = 12.5m, range 9-20m, 4 sites
 Crown cover avg. = 30.3%, range 9.8-48.5%, 4 sites
 Stem density/ha avg. = 580, range 40-1280, 4 sites
Dominant species (relative cover, frequency): Acacia shirleyi (93, 100%), Corymbia pocillum (14, 50%)
Frequent species (cover, frequency): Acacia shirleyi (27, 100%), Corymbia pocillum (6, 50%), Eucalyptus microneura (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. = 8.0m, range 6-10m, 2 sites

Crown cover avg. = 23.7%, range 13.8-33.7%, 2 sites

Stem density/ha avg. = 1230, range 420-2040, 2 sites

Dominant species (relative cover, frequency): *Acacia shirleyi* (57, 50%), *Terminalia indet.* (14, 25%), *Petalostigma banksii* (14, 25%), *Erythrophleum chlorostachys* (14, 25%), *Corymbia pocillum* (14, 25%)

Frequent species (cover, frequency): *Acacia shirleyi* (10, 50%), *Adenanthera abrosperma* (25%), *Alphitonia pomaderroides* (25%), *Corymbia pocillum* (25%), *Erythrophleum chlorostachys* (25%), *Eucalyptus microneura* (25%), *Petalostigma banksii* (25%), *Terminalia indet.* (25%)

Stratum: S1

Height avg. = 1.7m, range 0.4-2.5m, 4 sites

Crown cover avg. = 0.7%, range 0.0-2.9%, 4 sites

Stem density/ha avg. = 340, range 200-480, 2 sites

Dominant species (relative cover, frequency): *Antidesma ghaesembilla* (98, 25%), *Acacia shirleyi* (37, 100%), *Dodonaea physocarpa* (33, 25%), *Petalostigma banksii* (23, 50%), *Wrightia saligna* (13, 25%)

Frequent species (cover, frequency): *Acacia shirleyi* (100%), *Petalostigma banksii* (50%), *Acacia indet.* (25%), *Antidesma ghaesembilla* (1, 25%), *Canthium indet.* (25%), *Dodonaea physocarpa* (25%), *Erythroxylum indet.* (25%), *Gardenia wilhelmii* (25%), *Terminalia indet.* (25%), *Wrightia saligna* (25%)

Stratum: G

Height avg. = 0.2m, range 0.1-0.3m, 4 sites

PFC avg. = 20.0%, range 4-53%, 4 sites

Dominant species (relative cover, frequency): *Schizachyrium indet.* (99, 25%), *Thaumastochloa pubescens* (70, 25%), *Aristida dominii* (61, 25%), *Schizachyrium fragile* (24, 75%), *Digitaria breviglumis* (7, 25%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Panicum effusum* (75%), *Schizachyrium fragile* (2, 75%), *Aristida calycina* (50%), *Eriachne indet.* (1, 50%), *Urochloa holosericea* (50%), *Aristida dominii* (3, 25%), *Aristida exserta* (25%), *Aristida holathera* (25%), *Aristida indet.* (1, 25%), *Bulbostylis barbata* (25%), *Cymbopogon bombycinus* (25%), *Digitaria breviglumis* (1, 25%), *Digitaria indet.* (25%), *Digitaria ramularis* (25%), *Eragrostis sororia* (25%), *Eriachne ciliata* (25%), *Mnesithea formosa* (25%), *Sarga plumosum* (25%), *Schizachyrium indet.* (53, 25%), *Scleria indet.* (25%), *Setaria indet.* (25%), *Setaria surgens* (25%), *Sporobolus australasicus* (25%), *Sporobolus coromandelianus** (25%), *Thaumastochloa pubescens* (13, 25%)

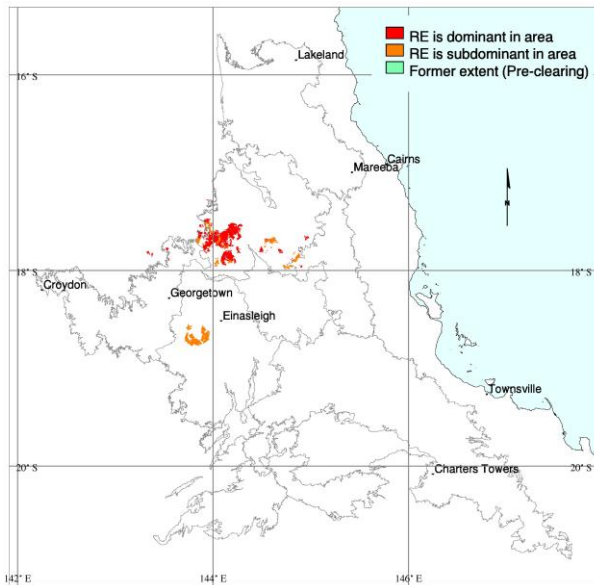
FORBS: *Blumea saxatilis* (50%), *Cheilanthes indet.* (50%), *Cheilanthes nudiusscula* (50%), *Evolvulus alsinoides* (50%), *Pterocaulon sphacelatum* (50%), *Tephrosia indet.* (50%), *Angiosperm indet.* (25%), *Bonamia media* (25%), *Crotalaria medicaginea* (25%), *Desmodium filiforme* (25%), *Dicliptera spicata* (25%), *Gomphrena indet.* (25%), *Hibiscus indet.* (25%), *Hybanthus stellarioides* (25%), *Indigofera pratensis var. pratensis* (25%), *Ipomoea indet.* (25%), *Marsdenia indet.* (25%), *Mitrasacme indet.* (25%), *Oldenlandia mitrasacmoides* (25%), *Phyllanthus fuernrohrii* (1, 25%), *Polycarpha corymbosa* (25%), *Polygala indet.* (25%), *Sauropus trachyspermus* (25%), *Sida hackettiana* (25%), *Spermacoce brachystema* (25%), *Spermacoce indet.* (1, 25%), *Tephrosia juncea* (25%), *Trachymene bivestita var. bivestita* (25%), *Trachymene indet.* (25%), *Waltheria indica* (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

Acacia shirleyi +/- Eucalyptus shirleyi +/- Erythrophleum chlorostachys woodland on rugged rhyolite or granitic hills



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 94,125 93,993 100%

Species recorded: Total: 23; woody: 11; ground: 12; Avg. spp./site: 23.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 10.5 m²/ha, range: 10.5 - 11 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 100%, 1 site(s)

Representative sites: 26824.

Stratum: T1

Height avg. = 11.0m, 1 site

Crown cover avg. = 46.5%, 1 site

Stem density/ha avg. = 320, 1 site

Dominant species (relative cover, frequency): Acacia shirleyi (100, 100%)

Frequent species (cover, frequency): Acacia shirleyi (46, 100%), Corymbia erythrophloia (100%)

Stratum: S1

Height avg. = 3.0m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Santalum lanceolatum (11, 100%), Petalostigma banksii (11, 100%), Melaleuca citrolens (11, 100%), Maytenus cunninghamii (11, 100%), Gardenia vilhelmii (11, 100%)

Frequent species (cover, frequency): Acacia shirleyi (100%), Alphitonia pomaderroides (100%), Canarium indet. (100%), Eucalyptus shirleyi (100%), Gardenia vilhelmii (100%), Maytenus cunninghamii (100%), Melaleuca citrolens (100%), Petalostigma banksii (100%), Santalum lanceolatum (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: S2

Height avg. = 1.5m, 1 site

Crown cover avg. = 0.6%, 1 site

Stem density/ha avg. = 720, 1 site

Dominant species (relative cover, frequency): Jacksonia odontoclada (97, 100%), Acacia shirleyi (3, 100%)

Frequent species (cover, frequency): Acacia shirleyi (100%), Jacksonia odontoclada (1, 100%)

Stratum: G

Height avg. = 0.2m, 1 site

PFC avg. = 46.0%, 1 site

Dominant species (relative cover, frequency): Schizachyrium indet. (59, 100%), Capillipedium parviflorum (21, 100%), Eriachne indet. (17, 100%), Digitaria indet. (1, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Aristida indet. (100%), Capillipedium parviflorum (10, 100%), Cyperus indet. (100%), Digitaria indet. (1, 100%), Eriachne indet. (8, 100%), Panicum indet. (100%), Schizachyrium indet. (28, 100%), Scleria indet. (100%)

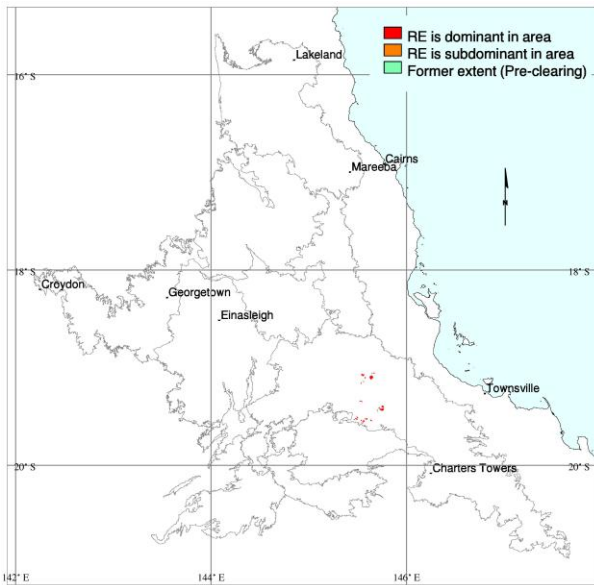
FORBS: Asteraceae indet. (100%), Cheilanthes indet. (100%), Mitrasacme indet. (100%), Trachymene indet. (100%)

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

Acacia shirleyi +/- Corymbia peltata woodland on low hills



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 4,163 4,162 100%

Species recorded: Total: 16; woody: 7; ground: 9; Avg. spp./site: 16.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 6.0 m²/ha, range: 6.0 - 6 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

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

Representative sites: 26115.

Stratum: T1

Height avg. = 12.0m, 1 site

Crown cover avg. = 83.1%, 1 site

Stem density/ha avg. = 480, 1 site

Dominant species (relative cover, frequency): Acacia shirleyi (55, 100%), Corymbia peltata (45, 100%)

Frequent species (cover, frequency): Acacia shirleyi (66, 100%), Corymbia peltata (54, 100%), Eucalyptus exserta (100%)

Stratum: T2

Height avg. = 8.0m, 1 site

Crown cover avg. = 7.9%, 1 site

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Psydrax attenuata (73, 100%), Acacia shirleyi (27, 100%)

Frequent species (cover, frequency): Acacia shirleyi (3, 100%), Alphitonia excelsa (100%), Psydrax attenuata (8, 100%)

Stratum: S1

Height avg. = 3.0m, 1 site

Crown cover avg. = 15.9%, 1 site

Stem density/ha avg. = 540, 1 site

Dominant species (relative cover, frequency): Acacia shirleyi (100, 100%)

Frequent species (cover, frequency): Acacia shirleyi (16, 100%), Alphitonia excelsa (100%), Persoonia falcata (100%), Petalostigma banksii (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. = 0.4m, 1 site

PFC avg. = 14.0%, 1 site

Dominant species (relative cover, frequency): *Cleistochloa subjuncea* (66, 100%), *Digitaria parviflora* (15, 100%), *Aristida queenslandica* var. *queenslandica* (14, 100%), *Panicum effusum* var. *effusum* (1, 100%), *Lomandra multiflora* (1, 100%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida queenslandica* var. *queenslandica* (2, 100%), *Cleistochloa subjuncea* (9, 100%), *Digitaria parviflora* (2, 100%), *Eragrostis sororia* (100%), *Panicum effusum* var. *effusum* (100%)

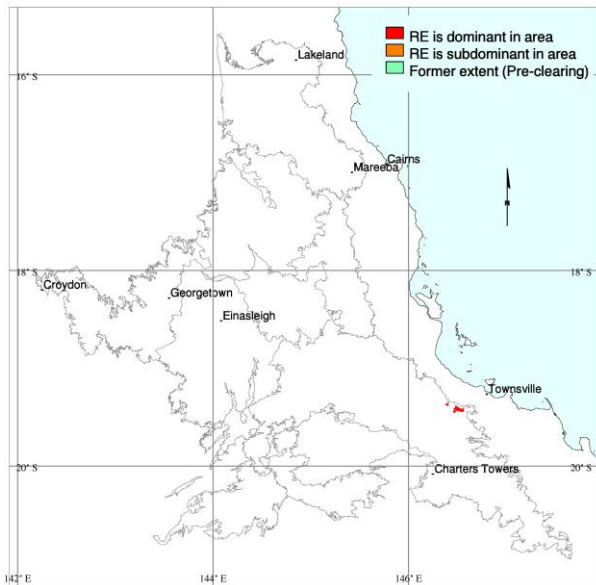
FORBS: *Dianella rara* (100%), *Distichostemon dodecandrus* (100%), *Gonocarpus acanthocarpus* (100%), *Lomandra multiflora* (100%)

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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Melaleuca viridiflora +/- Eucalyptus tereticornis +/- E. granitica +/- Corymbia intermedia low open-woodland on igneous uplands



M. Newton

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 2,899 2,849 98%

Species recorded: Total: 23; woody: 6; ground: 18; Avg. spp./site: 16.0; std dev.: 0.0, 2 site(s)

Basal area: Avg./site: 6.5 m²/ha, range: 6.0 - 7 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

Structural formation: Low open-woodland: 100%, 2 site(s)

Representative sites: 27105, 27106.

Stratum: E

Height avg. = 17.0m, range 16-18m, 2 sites

Crown cover avg. = 1.1%, range 0.6-1.6%, 2 sites

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

Dominant species (relative cover, frequency): Eucalyptus exserta (99, 50%), Corymbia intermedia (94, 50%), Melaleuca viridiflora (3, 50%), Corymbia tessellaris (3, 50%), Eucalyptus tereticornis (1, 50%)

Frequent species (cover, frequency): Corymbia intermedia (1, 50%), Corymbia tessellaris (50%), Eucalyptus exserta (2, 50%), Eucalyptus tereticornis (50%), Melaleuca viridiflora (50%)

Stratum: T1

Height avg. = 7.0m, range 6-8m, 2 sites

Crown cover avg. = 8.8%, range 7.9-9.8%, 2 sites

Stem density/ha avg. = 520, range 420-620, 2 sites

Dominant species (relative cover, frequency): Melaleuca viridiflora (95, 100%), Corymbia intermedia (7, 50%), Eucalyptus exserta (2, 50%)

Frequent species (cover, frequency): Melaleuca viridiflora (8, 100%), Corymbia intermedia (1, 50%), Eucalyptus crebra (50%), Eucalyptus exserta (50%), Eucalyptus tereticornis (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: S1

Height avg. = 1.2m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 740, 1 site

Dominant species (relative cover, frequency): Melaleuca viridiflora (33, 50%), Eucalyptus exserta (33, 50%), Eucalyptus crebra (33, 50%)

Frequent species (cover, frequency): Eucalyptus crebra (50%), Eucalyptus exserta (50%), Melaleuca viridiflora (50%)

Stratum: G

Height avg. = 0.5m, range 0.4-0.6m, 2 sites

PFC avg. = 93.0%, range 92-94%, 2 sites

Dominant species (relative cover, frequency): Themeda triandra (64, 100%), Heteropogon contortus (21, 50%), Eremochloa bimaculata (19, 50%), Heteropogon triticeus (7, 100%), Stylosanthes indet. (4, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Chrysopogon indet. (2, 100%), Fimbristylis indet. (1, 100%), Heteropogon triticeus (7, 100%), Themeda triandra (60, 100%), Eremochloa bimaculata (18, 50%), Heteropogon contortus (20, 50%)

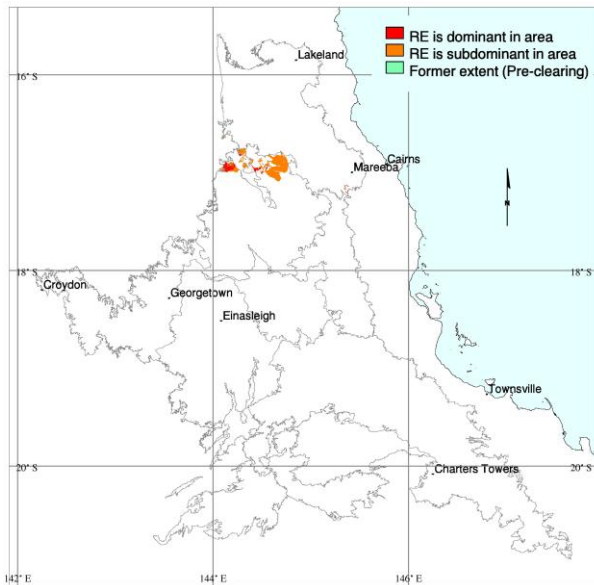
FORBS: Flemingia parviflora (100%), Glycine indet. (100%), Lomandra indet. (100%), Stylosanthes indet. (4, 100%), Angiosperm indet. (50%), Crotalaria indet. (50%), Grewia retusifolia (50%), Liliaceae indet. (50%), Phyllanthus indet. (2, 50%), Urena lobata (50%), Xanthorrhoea johnsonii (50%), Zornia indet. (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.

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Melaleuca citrolens +/- Terminalia platyptera +/- Corymbia dallachiana low open-woodland on rolling igneous hills



G. W. Wilson

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 11,305 11,235 99%

Species recorded: Total: 47; woody: 14; ground: 34; Avg. spp./site: 26.0; std dev.: 7.0, 2 site(s)

Basal area: Avg./site: 5.5 m²/ha, range: 3.5 - 8 m²/ha, std. deviation: 2 m²/ha, 2 site(s)

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

Representative sites: 26832, 26998.

Stratum: T1

Height avg. = 6.0m, range 6-6m, 2 sites

Crown cover avg. = 15.0%, range 9.8-20.3%, 2 sites

Stem density/ha avg. = 510, range 320-700, 2 sites

Dominant species (relative cover, frequency): Melaleuca citrolens (94, 100%), Cochlospermum gillivraei (8, 50%), Terminalia platyptera (3, 50%)

Frequent species (cover, frequency): Melaleuca citrolens (14, 100%), Brachychiton diversifolius (50%), Cochlospermum gillivraei (1, 50%), Erythroxylum ellipticum (50%), Grevillea parallela (50%), Petalostigma banksii (50%), Terminalia platyptera (1, 50%)

Stratum: S1

Height avg. = 2.3m, range 1.5-3m, 2 sites

Crown cover avg. = 2.2%, range 0.0-4.4%, 2 sites

Stem density/ha avg. = 1120, 1 site

Dominant species (relative cover, frequency): Carissa lanceolata (96, 50%), Cochlospermum gillivraei (50, 50%), Melaleuca citrolens (25, 100%)

Frequent species (cover, frequency): Melaleuca citrolens (100%), Acacia galioides (50%), Carissa lanceolata (4, 50%), Cassytha filiformis (50%), Cochlospermum gillivraei (50%), Diospyros humilis (50%), Dodonaea physocarpa (50%), Exocarpos latifolius (50%), Gardenia vilhelmii (50%), Grevillea parallela (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.

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Stratum: G

Height avg. = 0.2m, range 0.1-0.3m, 2 sites

PFC avg. = 14.0%, range 5-23%, 2 sites

Dominant species (relative cover, frequency): *Schizachyrium fragile* (27, 50%), *Eriachne armitii* (24, 50%), *Aristida warburgii* (13, 50%), *Aristida dominii* (13, 50%), *Indigofera indet.* (5, 50%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida dominii* (3, 50%), *Aristida indet.* (50%), *Aristida warburgii* (3, 50%), *Bothriochloa indet.* (50%), *Bulbostylis barbata* (50%), *Chrysopogon indet.* (50%), *Cymbopogon bombycinus* (50%), *Digitaria indet.* (50%), *Ectrosia confusa* (1, 50%), *Eragrostis indet.* (50%), *Eriachne armitii* (6, 50%), *Eriachne ciliata* (1, 50%), *Eriachne indet.* (50%), *Heteropogon contortus* (50%), *Mnesithea formosa* (50%), *Panicum indet.* (50%), *Rhynchospora pterochaeta* (50%), *Sarga plumosum* (1, 50%), *Schizachyrium fragile* (6, 50%), *Schizachyrium indet.* (50%), *Setaria surgens* (50%), *Themeda avenacea* (50%), *Themeda triandra* (50%)

FORBS: *Hibiscus meraukensis* (100%), *Malvastrum americanum** (100%), *Tephrosia indet.* (100%), *Croton arnhemicus* (50%), *Evolvulus alsinoides* (50%), *Indigofera indet.* (50%), *Indigofera linifolia* (50%), *Melaleuca citrolens* (1, 50%), *Mitrasacme indet.* (50%), *Phyllanthus virgatus* (50%), *Polycarpaea spirostylis* (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.

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