

Regional Ecosystem Technical Descriptions

Technical descriptions provide a detailed description of the full range in structure and floristic composition of regional ecosystems (e.g. 12.3.5) and their component vegetation communities (e.g. 12.3.5a).

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.* 2005 section 3.3.3).

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

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

Field definitions

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



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Department of Science, Information Technology, Innovation and the Arts

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

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

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Casuarina glauca woodland on margins of marine clay plains

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 5,860 3,846 66%

Species recorded: Total: 54; woody: 12; ground: 42; Avg. spp./site: 12.0; std dev.: 10.4, 5 site(s)

Basal area: Avg./site: 15.0 m²/ha, range: 4.0 - 44 m²/ha, std. deviation: 15 m²/ha, 5 site(s)

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

Representative sites: 13907, 16510, 16526, 19852, 29826.

Stratum: E

Height avg. = 14.0m, 1 site

Crown cover avg. = 5.0%, 1 site

Frequent species (cover, frequency): Eucalyptus tereticornis (3, 20%)

Stratum: T1

Height avg. = 11.0m, range 7-16m, 5 sites

Crown cover avg. = 35.0%, range 5.0-55.0%, 5 sites

Stem density/ha avg. = 320, 1 site

Dominant species (relative cover, frequency): Casuarina glauca (100, 100%)

Frequent species (cover, frequency): Casuarina glauca (35, 100%)

Stratum: T2

Height avg. = 5.5m, range 2.5-8m, 3 sites

Crown cover avg. = 6.3%, range 2.0-10.0%, 3 sites

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Casuarina glauca (100, 40%)

Frequent species (cover, frequency): Casuarina glauca (6, 40%), Cryptocarya triplinervis (3, 20%), Parsonsia straminea (4, 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. = 2.4m, range 1.5-4m, 4 sites

Crown cover avg. = 4.0%, range 2.0-5.0%, 4 sites

Stem density/ha avg. = 220, 1 site

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (1, 20%), *Baccharis halimifolia** (4, 20%), *Casuarina glauca* (5, 20%), *Cinnamomum camphora** (20%), *Cryptocarya triplinervis* (20%), *Cupaniopsis anacardioides* (1, 20%), *Ficus coronata* (20%), *Myoporum acuminatum* (1, 20%), *Parsonsia straminea* (3, 20%), *Pittosporum revolutum* (1, 20%), *Streblus brunonianus* (20%)

Stratum: G

Height avg. = 0.3m, range 0.2-0.4m, 5 sites

PFC avg. = 70.0%, range 20-95%, 5 sites

Dominant species (relative cover, frequency): *Sporobolus virginicus* (83, 80%), *Fimbristylis dichotoma* (7, 60%), *Halosarcia indica* (4, 40%), *Suaeda australis* (1, 40%)

Frequent species (cover, frequency): GRAMINOIDS: *Sporobolus virginicus* (70, 80%), *Fimbristylis dichotoma* (6, 60%), *Abildgaardia vaginata* (1, 20%), *Baumea juncea* (20%), *Chloris gayana** (4, 20%), *Cyperus indet.* (20%), *Cyperus polystachyos* (20%), *Cyperus trinervis* (20%), *Entolasia stricta* (20%), *Eriochloa procera* (20%), *Fimbristylis ferruginea* (20%), *Fimbristylis pauciflora* (20%), *Juncus continuus* (24, 20%), *Leptochloa decipiens* (20%), *Urochloa mutica** (3, 20%)

FORBS: *Halosarcia indica* (4, 40%), *Suaeda australis* (1, 40%), *Ageratum houstonianum** (20%), *Alternanthera denticulata* (20%), *Anredera cordifolia** (20%), *Avicennia marina* (1, 20%), *Centella asiatica* (20%), *Cyclosorus interruptus* (7, 20%), *Enydra fluctuans* (20%), *Eremophila debilis* (20%), *Hydrocotyle verticillata* (20%), *Hypolepis muelleri* (20%), *Ipomoea cairica** (20%), *Lantana camara** (20%), *Maclura cochinchinensis* (20%), *Schenkia australis* (20%), *Schinus terebinthifolius** (20%), *Sesuvium portulacastrum* (20%), *Solanum americanum* (20%), *Solanum seafortianum** (20%), *Sonchus oleraceus** (20%), *Sphagneticola trilobata** (6, 20%), *Stephania japonica* (20%), *Tradescantia fluminensis** (20%), *Triglochin procerum* (20%), *Triglochin striatum* (1, 20%), *Typha domingensis* (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

Microphyll/notophyll vine forest on beach ridges

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,929 2,665 68%

Species recorded: Total: 89; woody: 69; ground: 29; Avg. spp./site: 38.5; std dev.: 18.5, 3 site(s)

Basal area: Avg./site: 13.0 m²/ha, range: 5.0 - 21 m²/ha, std. deviation: 8 m²/ha, 2 site(s)

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

Representative sites: 14048, 16440, 19850.

Stratum: T1

Height avg. = 11.7m, range 5-22m, 3 sites

Crown cover avg. = 91.7%, range 90.0-95.0%, 3 sites

Dominant species (relative cover, frequency): *Flindersia schottiana* (38, 33%), *Cupaniopsis anacardioides* (30, 67%), *Acronychia imperforata* (22, 67%), *Banksia integrifolia* (17, 33%), *Cyclophyllum coprosmoides* (16, 33%)

Frequent species (cover, frequency): *Acronychia imperforata* (20, 67%), *Cupaniopsis anacardioides* (28, 67%), *Elaeocarpus obovatus* (10, 67%), *Syzygium oleosum* (6, 67%), *Acacia disparrima* subsp. *disparrima* (3, 33%), *Alectryon coriaceus* (5, 33%), *Banksia integrifolia* (15, 33%), *Cyclophyllum coprosmoides* (15, 33%), *Diospyros geminata* (5, 33%), *Exocarpos cupressiformis* (2, 33%), *Exocarpos latifolius* (3, 33%), *Flindersia australis* (7, 33%), *Flindersia schottiana* (20, 33%), *Ipomoea cairica** (33%), *Maclura cochinchinensis* (10, 33%), *Podocarpus elatus* (7, 33%), *Polyscias elegans* (3, 33%), *Pouteria queenslandica* (7, 33%), *Psydrax lamprophylla* (3, 33%), *Schinus terebinthifolius** (1, 33%), *Smilax australis* (3, 33%), *Vitex lignum-vitae* (3, 33%)

Stratum: T2

Height avg. = 12.0m, 1 site

Crown cover avg. = 6.0%, 1 site

Dominant species (relative cover, frequency): *Vitex lignum-vitae* (50, 33%), *Ficus watkinsiana* (50, 33%)

Frequent species (cover, frequency): *Ficus watkinsiana* (3, 33%), *Vitex lignum-vitae* (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.

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Stratum: S1

Height avg. = 2.3m, range 2-2.5m, 2 sites

Crown cover avg. = 36.0%, range 25.0-47.0%, 2 sites

Dominant species (relative cover, frequency): *Fitzalania bidwillii* (20, 33%), *Psychotria loniceroides* (16, 67%), *Baccharis halimifolia** (16, 33%), *Casuarina glauca* (16, 33%), *Acronychia imperforata* (14, 67%)

Frequent species (cover, frequency): *Acronychia imperforata* (4, 67%), *Psychotria loniceroides* (4, 67%), *Aidia racemosa* (33%), *Alchornea ilicifolia* (33%), *Alectryon tomentosus* (33%), *Alphitonia excelsa* (2, 33%), *Alyxia ruscifolia* (33%), *Aphananthe philippinensis* (33%), *Arytera distylis* (3, 33%), *Atractocarpus chartaceus* (2, 33%), *Auranticarpa rhombifolia* (33%), *Baccharis halimifolia** (4, 33%), *Baloghia inophylla* (3, 33%), *Breynia oblongifolia* (33%), *Carissa ovata* (33%), *Casuarina glauca* (4, 33%), *Cryptocarya sclerophylla* (33%), *Cryptocarya triplinervis* (2, 33%), *Cupaniopsis wadsworthii* (3, 33%), *Diospyros fasciculosa* (33%), *Diospyros geminata* (33%), *Drypetes deplanchei* (33%), *Embelia australiana* (33%), *Exocarpos latifolius* (33%), *Fitzalania bidwillii* (10, 33%), *Gossia bidwillii* (5, 33%), *Hippocratea barbata* (33%), *Hodgkinsonia ovatiflora* (33%), *Jagera pseudorhus* (3, 33%), *Marsdenia pleiadenia* (33%), *Maytenus disperma* (33%), *Melodorum leichhardtii* (6, 33%), *Memecylon pauciflorum* (6, 33%), *Mischocarpus pyriformis* (33%), *Morinda reticulata* (33%), *Pleogyne australis* (33%), *Pleurostylia opposita* (33%), *Polyalthia nitidissima* (33%), *Polyscias elegans* (33%), *Pouteria cotinifolia* var. *pubescens* (33%), *Pouteria pohlmanniana* (33%), *Rhodamnia acuminata* (3, 33%), *Ripogonum brevifolium* (33%), *Sarcochilus indet.* (33%), *Sarcomelicope simplicifolia* (1, 33%), *Sarcopetalum harveyanum* (33%), *Strychnos psilosperma* (33%), *Syzygium oleosum* (1, 33%), *Tetrastigma nitens* (33%), *Trophis scandens* (33%), *Vitex melicopea* (33%)

Stratum: G

Height avg. = 0.6m, range 0.5-0.9m, 3 sites

PFC avg. = 25.3%, range 1-70%, 3 sites

Dominant species (relative cover, frequency): *Megathyrsus maximus* var. *pubiglumis** (83, 33%), *Pteridium esculentum* (35, 33%), *Imperata cylindrica* (21, 33%), *Embelia australiana* (13, 33%), *Alectryon tomentosus* (13, 33%)

Frequent species (cover, frequency): GRAMINOIDS: *Cyperus breviculmis* (3, 33%), *Cyperus enervis* (33%), *Imperata cylindrica* (15, 33%), *Megathyrsus maximus* var. *pubiglumis** (4, 33%), *Ottocloa gracillima* (33%)

FORBS: *Dianella congesta* (1, 67%), *Geitonoplesium cymosum* (67%), *Alchornea ilicifolia* (33%), *Alectryon tomentosus* (33%), *Asparagus aethiopicus* (5, 33%), *Asparagus aethiopicus* cv. *Sprengeri** (33%), *Austromyrtus dulcis* (2, 33%), *Breynia oblongifolia* (33%), *Commelina diffusa* (1, 33%), *Commelina lanceolata* (33%), *Diospyros geminata* (33%), *Diospyros pentamera* (33%), *Embelia australiana* (33%), *Gloriosa superba** (5, 33%), *Hibbertia stricta* (1, 33%), *Myrsine variabilis* (2, 33%), *Pleurostylia opposita* (33%), *Psychotria loniceroides* (33%), *Pteridium esculentum* (25, 33%), *Rubus parvifolius* (4, 33%), *Smilax australis* (6, 33%), *Solanum seaforthianum** (1, 33%), *Stephania japonica* (33%), *Trophis scandens* (33%)

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

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

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

***Corymbia intermedia* +/- *Lophostemon confertus* +/- *Banksia* spp. +/- *Callitris columellaris* open-forest on beach ridges usually in southern half of bioregion**



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 16,048 11,363 71%

Species recorded: Total: 158; woody: 61; ground: 122; Avg. spp./site: 27.9; std dev.: 5.0, 17 site(s)

Basal area: Avg./site: 19.3 m²/ha, range: 9.0 - 33 m²/ha, std. deviation: 7 m²/ha, 16 site(s)

Structural formation: Woodland: 29%; open-forest: 29%; closed-forest: 24%; open-woodland: 6%; low woodland: 6%; low open-forest: 6%, 17 site(s)

Representative sites: 15224, 16442, 16463, 16465, 16467, 16468, 16470, 16471, 16479, 16480, 16481, 16492, 19836, 19868, 27239, 27263, 27283.

Stratum: T1

Height avg. = 15.8m, range 7-25m, 17 sites

Crown cover avg. = 60.7%, range 15.0-85.0%, 17 sites

Stem density/ha avg. = 529, range 60-1540, 14 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (52, 65%), *Callitris columellaris* (48, 24%), *Corymbia intermedia* (41, 76%), *Banksia aemula* (15, 47%), *Allocasuarina torulosa* (12, 24%)

Frequent species (cover, frequency): *Corymbia intermedia* (21, 76%), *Lophostemon confertus* (37, 65%), *Banksia aemula* (10, 47%), *Allocasuarina torulosa* (10, 24%), *Banksia integrifolia* (3, 24%), *Callitris columellaris* (19, 24%), *Corymbia gummiifera* (11, 12%), *Persoonia stradbrokeensis* (1, 12%), *Acronychia imperforata* (6%), *Banksia serrata* (29, 6%), *Endiandra sieberi* (6, 6%), *Eucalyptus racemosa* subsp. *racemosa* (5, 6%), *Eucalyptus resinifera* (51, 6%), *Eucalyptus tereticornis* (25, 6%), *Livistona australis* (3, 6%), *Melaleuca quinquenervia* (5, 6%), *Monotoca* sp. (Fraser Island P.Baxter 777) (6%), *Persoonia virgata* (6%)

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

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

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Stratum: T2

Height avg. = 7.4m, range 3-16m, 14 sites

Crown cover avg. = 16.5%, range 5.0-42.0%, 14 sites

Stem density/ha avg. = 252, range 80-700, 10 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (40, 41%), *Corymbia intermedia* (29, 35%), *Acacia leiocalyx* (23, 35%), *Banksia integrifolia* (3, 24%)

Frequent species (cover, frequency): *Lophostemon confertus* (5, 41%), *Acacia leiocalyx* (3, 35%), *Corymbia intermedia* (5, 35%), *Banksia integrifolia* (24%), *Allocasuarina torulosa* (6, 18%), *Callitris columellaris* (2, 18%), *Monotoca scoparia* (7, 18%), *Allocasuarina littoralis* (6, 12%), *Banksia serrata* (15, 12%), *Acacia disparrima* subsp. *disparrima* (6%), *Acacia flavescens* (6%), *Alphitonia excelsa* (1, 6%), *Cissus hypoglaucula* (2, 6%), *Elaeocarpus reticulatus* (2, 6%), *Endiandra sieberi* (6%), *Eucalyptus resinifera* (6%), *Glochidion sumatranum* (7, 6%), *Lophostemon suaveolens* (25, 6%), *Melaleuca quinquenervia* (10, 6%), *Petalostigma pubescens* (1, 6%)

Stratum: S1

Height avg. = 2.1m, range 1-4m, 15 sites

Crown cover avg. = 23.7%, range 1.0-60.0%, 15 sites

Stem density/ha avg. = 305, range 20-800, 8 sites

Dominant species (relative cover, frequency): *Monotoca scoparia* (25, 24%), *Persoonia virgata* (18, 35%), *Leucopogon margarodes* (14, 24%), *Acacia leiocalyx* (12, 35%), *Lantana camara** (8, 24%)

Frequent species (cover, frequency): *Acacia leiocalyx* (1, 35%), *Persoonia virgata* (3, 35%), *Lantana camara** (2, 24%), *Leucopogon margarodes* (2, 24%), *Monotoca scoparia* (2, 24%), *Acacia disparrima* subsp. *disparrima* (10, 18%), *Astrotricha glabra* (6, 18%), *Banksia aemula* (1, 18%), *Banksia integrifolia* (1, 18%), *Banksia serrata* (18%), *Monotoca* sp. (Fraser Island P.Baxter 777) (11, 18%), *Acacia concurrens* (6, 12%), *Acacia ulicifolia* (8, 12%), *Allocasuarina littoralis* (2, 12%), *Alphitonia excelsa* (3, 12%), *Austromyrtus dulcis* (1, 12%), *Cupaniopsis anacardioides* (3, 12%), *Leucopogon pimeleoides* (12%), *Lophostemon confertus* (5, 12%), *Persoonia stradbokensis* (12%), *Zieria smithii* (1, 12%), *Acrotriche aggregata* (2, 6%), *Allocasuarina torulosa* (5, 6%), *Aotus lanigera* (30, 6%), *Banksia oblongifolia* (1, 6%), *Banksia robur* (1, 6%), *Cissus hypoglaucula* (20, 6%), *Dillwynia floribunda* (20, 6%), *Dodonaea triquetra* (15, 6%), *Dodonaea viscosa* (1, 6%), *Elaeocarpus reticulatus* (2, 6%), *Endiandra sieberi* (1, 6%), *Exocarpos latifolius* (1, 6%), *Glochidion sumatranum* (10, 6%), *Hibbertia linearis* (1, 6%), *Leptospermum semibaccatum* (15, 6%), *Leptospermum trinervium* (2, 6%), *Leucopogon leptospermoides* (6%), *Lomatia silaifolia* (6, 6%), *Parsonia straminea* (1, 6%), *Pultenaea villosa* (5, 6%), *Ricinocarpos pinifolius* (1, 6%), *Schefflera actinophylla* (6%), *Styphelia viridis* (6%)

Stratum: S2

Height avg. = 1.1m, range 1-1.2m, 4 sites

Crown cover avg. = 13.8%, range 5.0-20.0%, 4 sites

Frequent species (cover, frequency): *Alphitonia excelsa* (1, 12%), *Dodonaea triquetra* (12%), *Leucopogon margarodes* (6, 12%), *Acacia leiocalyx* (6%), *Acacia suaveolens* (6%), *Banksia robur* (12, 6%), *Hibbertia linearis* (6%), *Leucopogon pimeleoides* (6, 6%), *Monotoca scoparia* (5, 6%), *Ochrosperma lineare* (2, 6%), *Opuntia stricta** (6%), *Pultenaea paleacea* (6%), *Pultenaea villosa* (10, 6%), *Strangea linearis* (6%), *Zieria smithii* (8, 6%)

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

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

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Stratum: G

Height avg. = 0.6m, range 0.3-1m, 17 sites

PFC avg. = 43.7%, range 10-80%, 17 sites

Dominant species (relative cover, frequency): Imperata cylindrica (21, 88%), Pteridium esculentum (20, 94%), Themeda triandra (14, 59%), Austromyrtus dulcis (12, 47%), Eriachne pallescens (10, 29%)

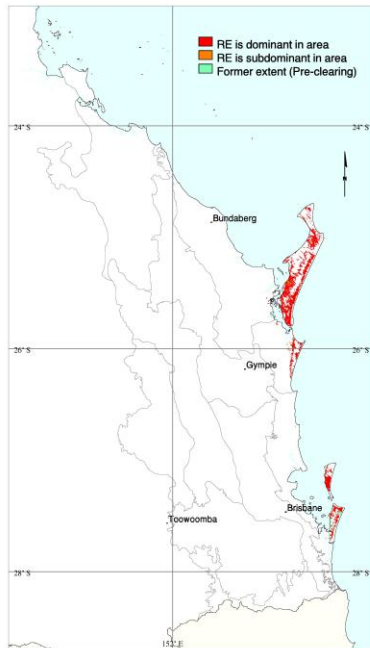
Frequent species (cover, frequency): GRAMINOIDS: Imperata cylindrica (12, 88%), Themeda triandra (7, 59%), Cymbopogon refractus (4, 29%), Eriachne pallescens (5, 29%), Entolasia stricta (2, 24%), Lepidosperma laterale (4, 24%), Caustis blakei (17, 18%), Cyperus stradbokensis (4, 18%), Paspalidium gausum (1, 18%), Schoenus nitens (1, 18%), Aristida calycina (1, 12%), Caustis recurvata (8, 12%), Eragrostis brownii (1, 12%), Eragrostis spartinoides (2, 12%), Trachystylis stradbokensis (12%), Capillipedium spicigerum (6%), Cyperus enervis (6%), Cyperus indet. (6%), Cyperus scaber (1, 6%), Cyperus subulatus (1, 6%), Digitaria parviflora (6%), Eragrostis pubescens (6%), Eriachne pallescens var. pallescens (6%), Gahnia clarkei (10, 6%), Oplismenus aemulus (1, 6%), Panicum simile (6%), Paspalidium distans (6%), Sporobolus creber (6%), Urochloa foliosa (1, 6%)

FORBS: Pteridium esculentum (12, 94%), Lomandra longifolia (2, 76%), Dianella caerulea (1, 65%), Austromyrtus dulcis (4, 47%), Smilax australis (1, 41%), Desmodium rhytidophyllum (29%), Hibbertia scandens (1, 29%), Commelina diffusa (1, 24%), Geodorum densiflorum (1, 24%), Hardenbergia violacea (24%), Monotoca sp. (Fraser Island P.Baxter 777) (1, 24%), Schizaea bifida (1, 24%), Stephania japonica (24%), Acacia ulicifolia (1, 18%), Alphitonia excelsa (1, 18%), Boronia rosmarinifolia (1, 18%), Cassytha glabella (2, 18%), Dianella crinoides (1, 18%), Eustrephus latifolius (18%), Leucopogon pimeleoides (18%), Lomandra multiflora (18%), Lomatia silaifolia (7, 18%), Monotoca scoparia (18%), Passiflora suberosa (18%), Platysace ericoides (1, 18%), Pomax umbellata (4, 18%), Smilax glycyphylla (2, 18%), Bossiaea heterophylla (12%), Brunoniella australis (1, 12%), Cissus hypoglauca (5, 12%), Desmodium gunnii (1, 12%), Emilia sonchifolia* (1, 12%), Glycine clandestina (12%), Glycine cyrtoloba (12%), Gompholobium pinnatum (12%), Hibbertia linearis (1, 12%), Hibbertia vestita (12%), Lantana camara* (12%), Oxalis rubens (1, 12%), Patersonia glabrata (12%), Persoonia stradbokensis (12%), Persoonia virgata (1, 12%), Strangea linearis (12%), Xanthorrhoea johnsonii (3, 12%), Abrus precatorius (1, 6%), Acacia disparrima subsp. disparrima (6%), Ageratum houstonianum* (6%), Allocasuarina torulosa (1, 6%), Aotus ericoides (1, 6%), Asparagus africanus* (1, 6%), Aster subulatus* (1, 6%), Asteraceae indet. (1, 6%), Baloskion tetraphyllum (8, 6%), Banksia integrifolia (1, 6%), Breynia oblongifolia (6%), Calochlaena dubia (6%), Cassytha filiformis (6%), Cassytha pubescens (1, 6%), Clematicissus opaca (6%), Clerodendrum floribundum (6%), Conyza bonariensis* (6%), Crassocephalum crepidioides* (6%), Cyanthillium cinereum (6%), Dipodium variegatum (1, 6%), Dodonaea viscosa subsp. burmanniana (6%), Duboisia myoporoides (6%), Empodisma minus (1, 6%), Epacris pulchella (1, 6%), Glochidion ferdinandi (6%), Gomphocarpus physocarpus* (6%), Hibbertia stricta (1, 6%), Kennedia rubicunda (6%), Leptomeria acida (6%), Leptospermum trinervium (2, 6%), Leucopogon leptospermoides (6%), Leucopogon margarodes (6%), Lomandra confertifolia subsp. pallida (6%), Melaleuca saligna (6%), Melichrus procumbens (6%), Persoonia media (6%), Petrophile shirleyae (6%), Pimelea linifolia (1, 6%), Plectranthus parviflorus (1, 6%), Podolepis longipedata (6%), Poranthera microphylla (1, 6%), Pterostylis nutans (6%), Ricinocarpos pinifolius (6%), Rubus parvifolius (1, 6%), Trachymene incisa (6%), Tricoryne anceps subsp. pterocaulon (1, 6%), Tricoryne elatior (1, 6%), Trochocarpa laurina (6%), Zieria smithii (1, 6%)*

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

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

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

Eucalyptus racemosa open-forest on dunes and sand plains. Usually deeply leached soils

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 73,622 69,695 95%

Species recorded: Total: 146; woody: 65; ground: 125; Avg. spp./site: 30.2; std dev.: 4.8, 33 site(s)

Basal area: Avg./site: 18.6 m²/ha, range: 8.0 - 30 m²/ha, std. deviation: 6 m²/ha, 33 site(s)

Structural formation: Open-forest: 36%; woodland: 30%; closed-forest: 12%; low woodland: 9%; low open-forest: 6%; open-woodland: 3%; low open-woodland: 3%, 33 site(s)

Representative sites: 16458, 16466, 16469, 16482, 16483, 16484, 19914, 27232, 27236, 27242, 27243, 27245, 27246, 27247, 27249, 27250, 27251, 27255, 27256, 27257, 27258, 27261, 27266, 27267, 27268, 27269, 27271, 27273, 27274, 27275, 27276, 27279, 27284.

Stratum: T1

Height avg. = 13.5m, range 6-28m, 33 sites

Crown cover avg. = 54.2%, range 10.0-93.0%, 33 sites

Stem density/ha avg. = 262, range 40-1200, 32 sites

Dominant species (relative cover, frequency): Eucalyptus racemosa subsp. racemosa (67, 100%), Corymbia gummifera (28, 27%), Banksia aemula (18, 21%), Angophora leiocarpa (14, 27%), Corymbia intermedia (12, 48%)

Frequent species (cover, frequency): Eucalyptus racemosa subsp. racemosa (37, 100%), Corymbia intermedia (7, 48%), Angophora leiocarpa (8, 27%), Corymbia gummifera (14, 27%), Banksia aemula (11, 21%), Eucalyptus pilularis (5, 21%), Allocasuarina torulosa (8, 18%), Lophostemon confertus (6, 15%), Eucalyptus planchoniana (21, 12%), Eucalyptus robusta (3, 3%)

Stratum: T2

Height avg. = 7.4m, range 4-12m, 31 sites

Crown cover avg. = 14.9%, range 5.0-40.0%, 31 sites

Stem density/ha avg. = 462, range 40-1540, 28 sites

Dominant species (relative cover, frequency): Banksia aemula (70, 76%), Corymbia intermedia (21, 30%), Allocasuarina torulosa (19, 33%), Leptospermum trinervium (14, 30%), Lophostemon confertus (14, 24%)

Frequent species (cover, frequency): Banksia aemula (11, 76%), Allocasuarina torulosa (3, 33%), Corymbia intermedia (4, 30%), Leptospermum trinervium (2, 30%), Lophostemon confertus (2, 24%), Angophora leiocarpa (3, 15%), Eucalyptus racemosa subsp. racemosa (2, 15%), Banksia serrata (3, 12%), Corymbia gummifera (2, 12%), Monotoca sp. (Fraser Island P.Baxter 777) (2, 9%), Acacia leiocalyx (3, 6%), Banksia integrifolia (2, 6%), Elaeocarpus reticulatus (4, 6%), Alphitonia excelsa (3%), Callitris columellaris (3%), Endiandra sieberi (1, 3%), Eucalyptus pilularis (3%), Leptospermum polygalifolium (4, 3%), Leucopogon pimeleoides (3, 3%), Melaleuca nodosa (3, 3%), Monotoca scoparia (15, 3%), Persoonia stradbokensis (9, 3%)

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, 33 sites

Crown cover avg. = 30.0%, range 5.0-80.0%, 33 sites

Stem density/ha avg. = 1606, range 100-4480, 29 sites

Dominant species (relative cover, frequency): *Xanthorrhoea johnsonii* (45, 48%), *Monotoca* sp. (Fraser Island P.Baxter 777) (35, 64%), *Persoonia stradbokensis* (19, 24%), *Banksia aemula* (16, 61%), *Leucopogon margarodes* (10, 42%)

Frequent species (cover, frequency): *Persoonia virgata* (2, 73%), *Monotoca* sp. (Fraser Island P.Baxter 777) (14, 64%), *Banksia aemula* (3, 61%), *Xanthorrhoea johnsonii* (14, 48%), *Leucopogon margarodes* (4, 42%), *Leucopogon pimeleoides* (2, 42%), *Leptospermum trinervium* (4, 39%), *Allocasuarina torulosa* (27%), *Leptomeria acida* (1, 24%), *Persoonia stradbokensis* (4, 24%), *Styphelia viridis* (21%), *Banksia integrifolia* (4, 18%), *Acacia leiocalyx* (15%), *Acacia ulicifolia* (12%), *Leptospermum polygalifolium* (6, 12%), *Lomatia silaifolia* (1, 12%), *Banksia serrata* (1, 9%), *Corymbia gummifera* (9%), *Elaeocarpus reticulatus* (2, 9%), *Eucalyptus racemosa* subsp. *racemosa* (9%), *Monotoca scoparia* (4, 9%), *Ricinocarpos pinifolius* (7, 9%), *Woollsia pungens* (1, 9%), *Acacia suaveolens* (6%), *Agiortia pedicellata* (4, 6%), *Angophora leiocarpa* (6%), *Aotus ericoides* (1, 6%), *Astrotricha glabra* (1, 6%), *Corymbia intermedia* (6%), *Epacris pulchella* (2, 6%), *Gompholobium virgatum* (3, 6%), *Homoranthus virgatus* (1, 6%), *Leucopogon ericoides* (6%), *Petrophile canescens* (1, 6%), *Pimelea linifolia* (1, 6%), *Strangea linearis* (1, 6%), *Acrotriche aggregata* (1, 3%), *Baeckea frutescens* (2, 3%), *Banksia oblongifolia* (6, 3%), *Boronia rosmarinifolia* (1, 3%), *Callitris rhomboidea* (3%), *Daviesia umbellulata* (3%), *Dillwynia floribunda* (5, 3%), *Dillwynia retorta* (3%), *Dodonaea triquetra* (1, 3%), *Duboisia myoporoides* (1, 3%), *Epacris microphylla* (5, 3%), *Exocarpos cupressiformis* (1, 3%), *Hibbertia linearis* (3%), *Leucopogon leptospermoides* (3%), *Ochrosperma lineare* (3, 3%), *Persoonia cornifolia* (1, 3%), *Petrophile shirleyae* (5, 3%), *Phyllota phyllicoides* (3%), *Podocarpus spinulosus* (6, 3%), *Pomax umbellata* (3%), *Pultenaea villosa* (2, 3%)

Stratum: G

Height avg. = 0.6m, range 0.1-1m, 33 sites

PFC avg. = 45.8%, range 21-80%, 33 sites

Stem density/ha avg. = , 1 site

Dominant species (relative cover, frequency): *Xanthorrhoea johnsonii* (28, 76%), *Pteridium esculentum* (16, 73%), *Imperata cylindrica* (13, 39%), *Monotoca scoparia* (8, 39%), *Eriachne pallescens* (7, 42%)

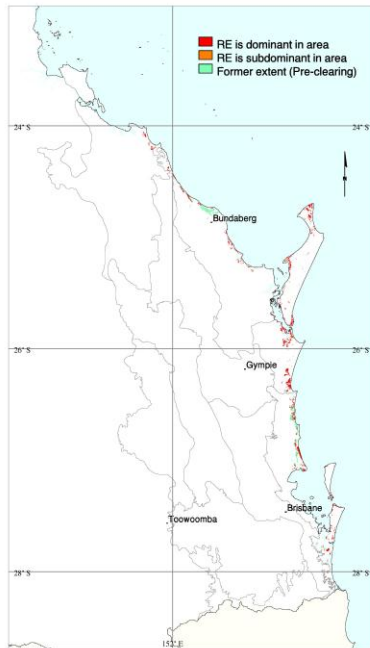
Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (2, 64%), *Eriachne pallescens* (3, 42%), *Caustis recurvata* (4, 39%), *Imperata cylindrica* (9, 39%), *Lepidosperma laterale* (1, 18%), *Entolasia stricta* (3, 15%), *Caustis blakei* (23, 12%), *Aristida jerichoensis* var. *jerichoensis* (9%), *Trachystylis stradbokensis* (9%), *Aristida jerichoensis* (1, 6%), *Cymbopogon refractus* (6%), *Eriachne pallescens* var. *pallescens* (7, 6%), *Panicum simile* (6%)

FORBS: *Xanthorrhoea johnsonii* (11, 76%), *Pteridium esculentum* (9, 73%), *Lomandra longifolia* (2, 67%), *Leucopogon leptospermoides* (1, 61%), *Platysace ericoides* (1, 61%), *Austromyrtus dulcis* (2, 55%), *Lomandra multiflora* (1, 55%), *Hibbertia linearis* (1, 52%), *Boronia rosmarinifolia* (2, 48%), *Bossiaea heterophylla* (1, 48%), *Acacia ulicifolia* (1, 45%), *Gompholobium virgatum* (45%), *Dianella caerulea* (1, 39%), *Monotoca scoparia* (3, 39%), *Hibbertia vestita* (1, 36%), *Leucopogon pimeleoides* (36%), *Strangea linearis* (2, 36%), *Woollsia pungens* (2, 36%), *Baloskion tetraphyllum* (2, 33%), *Leucopogon margarodes* (2, 33%), *Schizaea bifida* (33%), *Persoonia virgata* (1, 27%), *Pimelea linifolia* (27%), *Aotus lanigera* (24%), *Banksia aemula* (2, 24%), *Leucopogon ericoides* (1, 24%), *Monotoca* sp. (Fraser Island P.Baxter 777) (1, 24%), *Xanthosia pilosa* (24%), *Cassytha filiformis* (21%), *Hardenbergia violacea* (1, 21%), *Hibbertia acicularis* (21%), *Patersonia glabrata* (21%), *Smilax glycyphylla* (2, 21%), *Bossiaea ensata* (1, 18%), *Coleocarya gracilis* (8, 18%), *Dianella crinoides* (18%), *Epacris pulchella* (1, 18%), *Petrophile canescens* (1, 18%), *Phyllota phyllicoides* (18%), *Pseudanthus orientalis* (1, 18%), *Ricinocarpos pinifolius* (3, 18%), *Brachyloma daphnoides* (2, 15%), *Laxmannia gracilis* (1, 15%), *Leptospermum trinervium* (2, 15%), *Ochrosperma lineare* (15%), *Styphelia viridis* (15%), *Tricoryne anceps* subsp. *pterocaulon* (1, 15%), *Acacia suaveolens* (12%), *Homoranthus virgatus* (1, 12%), *Leptomeria acida* (12%), *Lomatia silaifolia* (2, 12%), *Melichrus procumbens* (2, 12%), *Persoonia stradbokensis* (1, 12%), *Pomax umbellata* (4, 12%), *Cassytha glabella* (1, 9%), *Dampiera sylvestris* (9%), *Elaeocarpus reticulatus* (9%), *Gompholobium pinnatum* (9%), *Hypolaena fastigiata* (4, 9%), *Jacksonia scoparia* (9%), *Leptospermum polygalifolium* (1, 9%), *Leucopogon virgatus* (2, 9%), *Parsonsia straminea* (9%), *Patersonia sericea* (1, 9%), *Agiortia pedicellata* (6%), *Banksia oblongifolia* (1, 6%), *Cassytha pubescens* (6%), *Desmodium rhytidophyllum* (6%), *Hibbertia scandens* (6%), *Leptospermum semibaccatum* (4, 6%), *Leucopogon deformis* (4, 6%), *Olax retusa* (6%), *Podolepis neglecta* (1, 6%), *Zieria laxiflora* (6%)

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

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

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

Melaleuca quinquenervia or rarely M. dealbata open-forest on sand plains

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 29,829 19,628 66%

Species recorded: Total: 190; woody: 50; ground: 158; Avg. spp./site: 29.0; std dev.: 8.0, 15 site(s)

Basal area: Avg./site: 32.4 m²/ha, range: 16.0 - 57 m²/ha, std. deviation: 13 m²/ha, 14 site(s)

Structural formation: Woodland: 40%; open-forest: 40%; open-woodland: 7%; low woodland: 7%; low open-forest: 7%, 15 site(s)

Representative sites: 13906, 14065, 14095, 14097, 15225, 16438, 16441, 16444, 16457, 16485, 16523, 19759, 19867, 27451, 29964.

Stratum: T1

Height avg. = 15.5m, range 8-25m, 15 sites

Crown cover avg. = 47.7%, range 10.0-76.0%, 15 sites

Stem density/ha avg. = 588, range 480-860, 5 sites

Dominant species (relative cover, frequency): Melaleuca quinquenervia (86, 87%), Eucalyptus robusta (45, 27%), Eucalyptus tereticornis (6, 27%)

Frequent species (cover, frequency): Melaleuca quinquenervia (43, 87%), Eucalyptus robusta (10, 27%), Eucalyptus tereticornis (2, 27%), Lophostemon suaveolens (2, 20%), Banksia integrifolia (2, 13%), Allocasuarina littoralis (8, 7%), Alphitonia excelsa (7%), Banksia aemula (4, 7%), Casuarina glauca (8, 7%), Corymbia intermedia (7%), Livistona decora (2, 7%), Lophostemon confertus (5, 7%), Melaleuca dealbata (66, 7%)

Stratum: T2

Height avg. = 7.5m, range 4-14m, 11 sites

Crown cover avg. = 13.8%, range 2.0-30.0%, 11 sites

Stem density/ha avg. = 360, range 220-460, 3 sites

Dominant species (relative cover, frequency): Melaleuca quinquenervia (59, 60%)

Frequent species (cover, frequency): Melaleuca quinquenervia (13, 60%), Banksia integrifolia (2, 20%), Eucalyptus robusta (4, 20%), Acacia concurrens (5, 13%), Acacia leiocalyx (7, 13%), Corymbia intermedia (1, 13%), Glochidion sumatranum (2, 13%), Acacia disparrima subsp. disparrima (1, 7%), Livistona decora (6, 7%), Lophostemon suaveolens (4, 7%), Melaleuca cheelii (2, 7%), Melaleuca linariifolia (2, 7%), Melaleuca sieberi (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

Stratum: S1

Height avg. = 2.0m, range 1.5-3m, 13 sites

Crown cover avg. = 15.5%, range 1.0-65.0%, 13 sites

Stem density/ha avg. = 293, range 20-800, 3 sites

Dominant species (relative cover, frequency): Banksia robur (34, 27%)

Frequent species (cover, frequency): Phragmites australis (9, 13%), Gahnia aspera (1, 7%), Gahnia sieberiana (8, 7%), Banksia robur (11, 27%), Acacia disparrima subsp. disparrima (2, 20%), Baccharis halimifolia (6, 20%), Banksia integrifolia (2, 20%), Lantana camara* (1, 20%), Acacia leiocalyx (1, 13%), Alphitonia excelsa (13%), Cupaniopsis anacardioides (13%), Hakea actites (2, 13%), Lophostemon suaveolens (9, 13%), Melaleuca pachyphylla (15, 13%), Melastoma malabathricum subsp. malabathricum (3, 13%), Acacia hubbardiana (7%), Acronychia imperforata (1, 7%), Allocasuarina littoralis (1, 7%), Austromyrtus dulcis (7%), Callitris columellaris (1, 7%), Corymbia tessellaris (7%), Cyclophyllum coprosmoides (7%), Dodonaea triquetra (1, 7%), Elaeocarpus reticulatus (5, 7%), Eucalyptus robusta (25, 7%), Exocarpos latifolius (7%), Glochidion lobocarpum (7%), Glochidion sumatranum (3, 7%), Leptospermum juniperinum (7%), Leucopogon leptospermoides (7%), Lophostemon confertus (1, 7%), Macaranga tanarius (1, 7%), Melaleuca quinquenervia (3, 7%), Parsonsia straminea (1, 7%), Persoonia media (1, 7%), Persoonia virgata (1, 7%), Pleiogynium timorense (7%), Pultenaea myrtoides (1, 7%), Viminaria juncea (2, 7%), Xanthorrhoea fulva (9, 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. = 0.8m, range 0.3-2m, 15 sites

PFC avg. = 64.7%, range 5-95%, 15 sites

Dominant species (relative cover, frequency): *Baumea juncea* (26, 40%), *Imperata cylindrica* (24, 47%), *Blechnum indicum* (12, 53%), *Austromyrtus dulcis* (4, 27%), *Passiflora suberosa** (4, 27%)

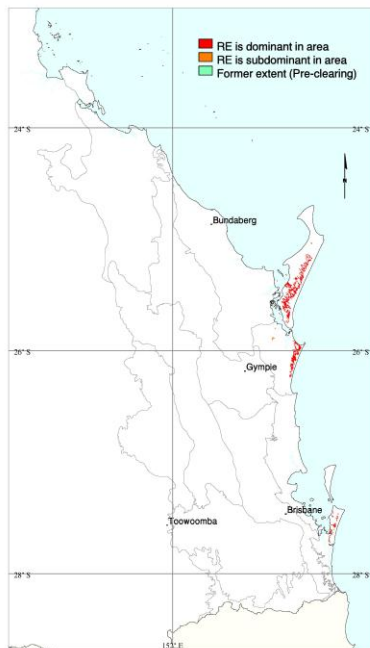
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (18, 47%), *Baumea juncea* (13, 40%), *Cyperus polystachyos* (40%), *Paspalum scrobiculatum* (1, 20%), *Cynodon dactylon* (3, 13%), *Entolasia stricta* (13%), *Gahnia clarkei* (4, 13%), *Ischaemum australe* (1, 13%), *Juncus continuus* (8, 13%), *Lepironia articulata* (20, 13%), *Phragmites australis* (46, 13%), *Themeda triandra* (37, 13%), *Andropogon virginicus** (3, 7%), *Axonopus compressus** (7%), *Axonopus fissifolius** (7%), *Baumea articulata* (5, 7%), *Caustis blakei* subsp. *blakei* (5, 7%), *Chorizandra cymbaria* (1, 7%), *Cladium procerum* (67, 7%), *Cyathochaeta diandra* (1, 7%), *Cymbopogon refractus* (7%), *Cyperus brevifolius** (7%), *Cyperus haspan* (1, 7%), *Cyperus lucidus* (2, 7%), *Digitaria didactyla** (7%), *Eragrostis spartinoides* (1, 7%), *Fimbristylis indet.* (7%), *Gahnia aspera* (20, 7%), *Gahnia sieberiana* (1, 7%), *Heteropogon contortus* (1, 7%), *Leersia hexandra* (7%), *Megathyrsus maximus** (7%), *Ottocloa gracillima* (7%), *Panicum effusum* (4, 7%), *Paspalidium gracile* (7%), *Paspalum indet.* (7%), *Paspalum paniculatum** (1, 7%), *Poaceae indet.* (30, 7%), *Sacciolepis indica* (1, 7%), *Schoenus apogon* (7%), *Schoenus brevifolius* (10, 7%), *Scleria sphacelata* (1, 7%)

FORBS: *Blechnum indicum* (10, 53%), *Austromyrtus dulcis* (4, 27%), *Centella asiatica* (1, 27%), *Hibbertia scandens* (1, 27%), *Parsonsia straminea* (1, 27%), *Passiflora suberosa** (3, 27%), *Smilax australis* (1, 27%), *Acacia disparrima* subsp. *disparrima* (20%), *Baccharis halimifolia** (9, 20%), *Cyclosorus interruptus* (3, 20%), *Leucopogon pimeleoides* (2, 20%), *Lomandra longifolia* (20%), *Pteridium esculentum* (1, 20%), *Alternanthera denticulata* (13%), *Cassytha pubescens* (13%), *Dianella caerulea* (13%), *Glochidion ferdinandi* (13%), *Glycine clandestina* (13%), *Hibbertia stricta* (13%), *Hibbertia vestita* (13%), *Ipomoea cairica** (11, 13%), *Leptospermum juniperinum* (2, 13%), *Leptospermum polygalifolium* (13%), *Persicaria decipiens* (13%), *Phytolacca octandra** (1, 13%), *Pimelea linifolia* (1, 13%), *Pultenaea paleacea* (5, 13%), *Pultenaea retusa* (13%), *Sporadanthus caudatus* (8, 13%), *Ageratum houstonianum** (1, 7%), *Alphitonia excelsa* (7%), *Asclepias curassavica** (7%), *Baloskion pallens* (50, 7%), *Baloskion tetraphyllum* (7%), *Banksia robur* (7%), *Boronia falcifolia* (7%), *Calochlaena dubia* (30, 7%), *Cassytha glabella* (1, 7%), *Centipeda minima* (7%), *Cirsium vulgare** (7%), *Comesperma defoliatum* (1, 7%), *Corymbia intermedia* (7%), *Crassocephalum crepidioides** (7%), *Crotalaria lanceolata* (7%), *Cyanthillium cinereum* (7%), *Dentella repens* (7%), *Desmodium rhytidophyllum* (7%), *Dianella congesta* (7%), *Diplatia furcata* (1, 7%), *Drymaria cordata** (15, 7%), *Eclipta prostrata* (2, 7%), *Epaltes australis* (7%), *Eriocaulon australe* (30, 7%), *Eurychorda complanata* (5, 7%), *Exocarpos cupressiformis* (1, 7%), *Ficus opposita* (7%), *Ficus rubiginosa* (7%), *Glochidion sumatranum* (7%), *Gomphocarpus physocarpus** (1, 7%), *Gompholobium pinnatum* (1, 7%), *Gonocarpus chinensis* subsp. *verrucosus* (7%), *Gonocarpus micranthus* subsp. *ramosissimus* (1, 7%), *Grevillea leiophylla* (1, 7%), *Hakea florulenta* (7%), *Hibiscus diversifolius* (7%), *Hydrilla verticillata* (7%), *Hydrocotyle bonariensis** (1, 7%), *Hydrocotyle paludosa* (2, 7%), *Hydrocotyle verticillata* (7%), *Hypericum gramineum* (7%), *Hypochaeris radicata** (7%), *Hypolepis muelleri* (5, 7%), *Ipomoea pes-caprae* (1, 7%), *Jasminum didymum* subsp. *racemosum* (7%), *Kennedia rubicunda* (1, 7%), *Lantana camara** (7%), *Lepyrodia scariosa* (1, 7%), *Leucopogon leptospermoides* (2, 7%), *Lindernia crustacea* (7%), *Lindsaea ensifolia* subsp. *ensifolia* (1, 7%), *Lindsaea incisa* (1, 7%), *Lobelia stenophylla* (7%), *Lophostemon suaveolens* (7%), *Lygodium microphyllum* (10, 7%), *Marsilea indet.* (15, 7%), *Melaleuca linariifolia* (7%), *Melaleuca thymifolia* (7%), *Melastoma malabathricum* subsp. *malabathricum* (7%), *Melicope elleryana* (7%), *Mitrasacme polymorpha* (1, 7%), *Monotoca scoparia* (1, 7%), *Muellerina celastroides* (1, 7%), *Murraya paniculata* cv. *Exotica** (7%), *Ochna serrulata** (7%), *Passiflora subpeltata** (7%), *Persicaria attenuata* (7%), *Persicaria strigosa* (7%), *Persoonia stradbrokeensis* (7%), *Phyllanthus virgatus* (1, 7%), *Pinus elliottii** (7%), *Platysace linearifolia* (1, 7%), *Pterostylis indet.* (7%), *Rivina humilis** (7%), *Schefflera actinophylla* (7%), *Schinus terebinthifolius** (7%), *Sida rhombifolia** (7%), *Stackhousia viminea* (7%), *Stephania japonica* (4, 7%), *Syagrus romanzoffiana** (7%), *Tricoryne elatior* (1, 7%), *Velleia spathulata* (1, 7%), *Villarsia exaltata* (1, 7%), *Viola betonicifolia* subsp. *novaguineensis* (7%), *Viola hederacea* (3, 7%), *Xanthorrhoea fulva* (6, 7%), *Xyris complanata* (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 pilularis open-forest on parabolic high dunes

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 22,339 21,593 97%

Species recorded: Total: 139; woody: 57; ground: 109; Avg. spp./site: 33.1; std dev.: 8.0, 15 site(s)

Basal area: Avg./site: 21.3 m²/ha, range: 17.0 - 28 m²/ha, std. deviation: 3 m²/ha, 15 site(s)

Structural formation: Open-forest: 73%; woodland: 20%; closed-forest: 7%, 15 site(s)

Representative sites: 16435, 16464, 27233, 27234, 27244, 27252, 27253, 27259, 27260, 27262, 27264, 27265, 27270, 27278, 27280.

Stratum: T1

Height avg. = 17.3m, range 12-30m, 15 sites

Crown cover avg. = 61.6%, range 42.0-84.0%, 15 sites

Stem density/ha avg. = 171, range 40-500, 14 sites

Dominant species (relative cover, frequency): Eucalyptus pilularis (85, 100%), Eucalyptus planchoniana (19, 33%), Eucalyptus racemosa subsp. racemosa (10, 67%), Angophora leiocarpa (4, 27%)

Frequent species (cover, frequency): Eucalyptus pilularis (52, 100%), Eucalyptus racemosa subsp. racemosa (7, 67%), Eucalyptus planchoniana (12, 33%), Angophora leiocarpa (2, 27%), Corymbia intermedia (2, 20%), Corymbia gummifera (4, 13%)

Stratum: T2

Height avg. = 9.5m, range 5-18m, 15 sites

Crown cover avg. = 16.4%, range 5.0-50.0%, 15 sites

Stem density/ha avg. = 429, range 80-960, 14 sites

Dominant species (relative cover, frequency): Banksia aemula (75, 47%), Banksia serrata (61, 33%), Eucalyptus pilularis (33, 27%), Angophora leiocarpa (33, 33%), Lophostemon confertus (27, 33%)

Frequent species (cover, frequency): Allocasuarina torulosa (1, 53%), Banksia aemula (20, 47%), Angophora leiocarpa (3, 33%), Banksia serrata (6, 33%), Lophostemon confertus (5, 33%), Corymbia intermedia (1, 27%), Eucalyptus pilularis (3, 27%), Eucalyptus racemosa subsp. racemosa (13%), Leptospermum trinervium (4, 13%), Callitris columellaris (1, 7%), Eucalyptus planchoniana (7%), Flindersia bennettiana (2, 7%), Livistona australis (1, 7%), Monotoca sp. (Fraser Island P.Baxter 777) (7%), Syncarpia glomulifera (5, 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: T3

Height avg. = 6.3m, range 5-7m, 3 sites

Crown cover avg. = 30.7%, range 10.0-71.0%, 3 sites

Stem density/ha avg. = 1693, range 100-4480, 3 sites

Frequent species (cover, frequency): Banksia aemula (7, 20%), Eucalyptus pilularis (1, 20%), Eucalyptus racemosa subsp. racemosa (7%), Leucopogon leptospermoides (1, 7%), Lophostemon confertus (18, 7%), Monotoca sp. (Fraser Island P.Baxter 777) (50, 7%)

Stratum: S1

Height avg. = 2.0m, range 1.5-3m, 15 sites

Crown cover avg. = 26.9%, range 2.0-70.0%, 15 sites

Stem density/ha avg. = 1896, range 40-5040, 15 sites

Dominant species (relative cover, frequency): Monotoca sp. (Fraser Island P.Baxter 777) (39, 87%), Xanthorrhoea johnsonii (27, 73%), Lophostemon confertus (19, 27%), Banksia aemula (14, 60%), Banksia serrata (10, 27%)

Frequent species (cover, frequency): Monotoca sp. (Fraser Island P.Baxter 777) (11, 87%), Xanthorrhoea johnsonii (7, 73%), Leucopogon pimeleoides (1, 67%), Banksia aemula (3, 60%), Persoonia virgata (2, 60%), Leucopogon margarodes (3, 53%), Leptospermum trinervium (33%), Banksia serrata (2, 27%), Lophostemon confertus (9, 27%), Persoonia stradbrokeensis (27%), Acacia leiocalyx (20%), Eucalyptus pilularis (1, 20%), Monotoca scoparia (1, 20%), Acacia suaveolens (1, 13%), Banksia integrifolia (13%), Leptomeria acida (5, 13%), Petrophile canescens (1, 13%), Styphelia viridis (13%), Acacia melanoxylon (1, 7%), Acacia oshanesii (7%), Acacia ulicifolia (1, 7%), Allocasuarina torulosa (2, 7%), Alphitonia excelsa (1, 7%), Angophora leiocarpa (7%), Astrotricha glabra (7, 7%), Backhousia myrtifolia (1, 7%), Bossiaea ensata (1, 7%), Brachychiton bidwillii (1, 7%), Cryptocarya glaucescens (3, 7%), Denhamia celastroides (7%), Dodonaea triquetra (5, 7%), Elaeocarpus reticulatus (2, 7%), Endiandra sieberi (1, 7%), Eucalyptus planchoniana (7%), Flagellaria indica (1, 7%), Glochidion sumatranum (1, 7%), Haemodorum austroqueenslandicum (1, 7%), Jacksonia scoparia (2, 7%), Lantana camara (1, 7%), Leucopogon ericoides (7%), Leucopogon leptospermoides (7%), Lomatia silaifolia (1, 7%), Notelaea longifolia (1, 7%), Petrophile shirleyae (2, 7%), Pilidiostigma rhytispermum (1, 7%), Pultenaea villosa (15, 7%), Schefflera actinophylla (1, 7%), Synoum glandulosum (7%), Syzygium oleosum (1, 7%), Woollsia pungens (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. = 0.6m, range 0.5-0.75m, 14 sites

PFC avg. = 35.9%, range 5-61%, 15 sites

Dominant species (relative cover, frequency): *Xanthorrhoea johnsonii* (36, 67%), *Eriachne pallescens* (9, 60%), *Pteridium esculentum* (9, 80%), *Themeda triandra* (8, 87%), *Baloskion tetraphyllum* (8, 53%)

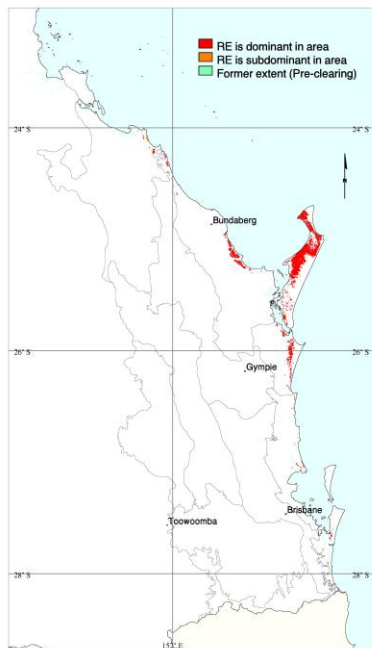
Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (5, 87%), *Imperata cylindrica* (1, 80%), *Eriachne pallescens* (3, 60%), *Entolasia stricta* (1, 27%), *Trachystylis stradbokensis* (20%), *Aristida jerichoensis* var. *jerichoensis* (13%), *Caustis recurvata* (1, 13%), *Panicum simile* (1, 13%), *Schizachyrium fragile* (1, 13%), *Alloteropsis semialata* (1, 7%), *Aristida jerichoensis* (1, 7%), *Caustis blakei* (25, 7%), *Caustis blakei* subsp. *blakei* (1, 7%), *Gahnia clarkei* (1, 7%), *Lepidosperma laterale* (1, 7%), *Ottocloa nodosa* (35, 7%), *Schoenus brevifolius* (7%), *Scleria sphacelata* (3, 7%)

FORBS: *Hibbertia linearis* (80%), *Pteridium esculentum* (3, 80%), *Leucopogon leptospermoides* (1, 73%), *Lomandra multiflora* (1, 73%), *Boronia rosmarinifolia* (1, 67%), *Dianella caerulea* (1, 67%), *Lomandra longifolia* (2, 67%), *Xanthorrhoea johnsonii* (14, 67%), *Schizaea bifida* (1, 60%), *Baloskion tetraphyllum* (3, 53%), *Leucopogon margarodes* (53%), *Leucopogon pimeleoides* (1, 53%), *Austromyrtus dulcis* (1, 47%), *Melichrus procumbens* (1, 47%), *Platysace ericoides* (1, 47%), *Acacia ulicifolia* (40%), *Hibbertia vestita* (1, 40%), *Petrophile canescens* (2, 40%), *Brachyloma daphnoides* (33%), *Monotoca scoparia* (33%), *Persoonia virgata* (33%), *Smilax glycyphylla* (1, 33%), *Strangea linearis* (1, 33%), *Bossiaea ensata* (27%), *Monotoca* sp. (Fraser Island P.Baxter 777) (2, 27%), *Patersonia glabrata* (1, 27%), *Pomax umbellata* (27%), *Acacia suaveolens* (20%), *Acrotriche aggregata* (1, 20%), *Aotus lanigera* (20%), *Banksia aemula* (2, 20%), *Cassytha filiformis* (20%), *Gompholobium pinatum* (20%), *Gompholobium virgatum* (20%), *Hardenbergia violacea* (1, 20%), *Hibbertia acicularis* (20%), *Leptospermum trinervium* (1, 20%), *Ricinocarpus pinifolius* (20%), *Xanthosia pilosa* (20%), *Banksia serrata* (1, 13%), *Bossiaea heterophylla* (1, 13%), *Cassytha glabella* (1, 13%), *Haemodorum austroqueenslandicum* (1, 13%), *Homoranthus virgatus* (1, 13%), *Leptomeria acida* (13%), *Lomatia silaifolia* (1, 13%), *Ochrosperma lineare* (13%), *Pimelea linifolia* (1, 13%), *Smilax australis* (13%), *Styphelia viridis* (13%), *Woollsia pungens* (1, 13%), *Acacia oshanesii* (1, 7%), *Billardiera scandens* (1, 7%), *Blechnum cartilagineum* (2, 7%), *Breynia oblongifolia* (7%), *Brunoniella australis* (1, 7%), *Callerya megasperma* (1, 7%), *Calochlaena dubia* (1, 7%), *Cissus hypoglauca* (1, 7%), *Coleocarya gracilis* (5, 7%), *Cordyline rubra* (1, 7%), *Dampiera sylvestris* (1, 7%), *Daviesia umbellulata* (1, 7%), *Denhamia celastroides* (1, 7%), *Dianella crinoides* (7%), *Dioscorea transversa* (1, 7%), *Dodonaea triquetra* (1, 7%), *Eupomatia laurina* (1, 7%), *Flagellaria indica* (1, 7%), *Geitonoplesium cymosum* (1, 7%), *Gymnostachys anceps* (1, 7%), *Hibbertia aspera* (1, 7%), *Hibbertia scandens* (1, 7%), *Laxmannia gracilis* (1, 7%), *Leucopogon deformis* (7%), *Leucopogon ericoides* (7%), *Lomandra spicata* (1, 7%), *Lophostemon confertus* (7%), *Monotoca* indet. (4, 7%), *Palmeria scandens* (1, 7%), *Parsonsia straminea* (7%), *Phyllota phyllicoides* (7%), *Platylobium formosum* (1, 7%), *Pouteria chartacea* (1, 7%), *Pseudanthus orientalis* (7%), *Pultenaea paleacea* (1, 7%), *Tabernaemontana pandacaqui* (7%), *Tricoryne elatior* (1, 7%), *Trophis scandens* (7%), *Zieria laxiflora* (7%), *Zieria minutiflora* (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

Banksia aemula low open-woodland on dunes and sand plains. Usually deeply leached soils

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 65,465 63,804 97%

Species recorded: Total: 133; woody: 55; ground: 109; Avg. spp./site: 25.5; std dev.: 5.6, 12 site(s)

Basal area: Avg./site: 12.1 m²/ha, range: 2.0 - 20 m²/ha, std. deviation: 5 m²/ha, 10 site(s)

Structural formation: Low open-woodland: 42%; low woodland: 33%; tall shrubland: 8%; shrubland: 8%; low closed-forest: 8%, 12 site(s)

Representative sites: 13913, 14089, 14092, 14098, 15248, 16462, 16488, 16491, 16525, 19758, 19763, 27238.

Stratum: E

Height avg. = 14.5m, range 11-18m, 2 sites

Crown cover avg. = 4.5%, range 3.0-6.0%, 2 sites

Stem density/ha avg. = 40, 1 site

Frequent species (cover, frequency): Eucalyptus robusta (4, 17%), Eucalyptus exserta (1, 8%)

Stratum: T1

Height avg. = 6.2m, range 4-9m, 10 sites

Crown cover avg. = 27.6%, range 6.0-95.0%, 10 sites

Stem density/ha avg. = 849, range 120-3000, 7 sites

Dominant species (relative cover, frequency): Banksia aemula (76, 83%), Leptospermum trinervium (33, 25%)

Frequent species (cover, frequency): Banksia aemula (20, 83%), Leptospermum trinervium (11, 25%), Allocasuarina littoralis (3, 17%), Corymbia intermedia (1, 17%), Acacia flavescens (3, 8%), Acacia penninervis (15, 8%), Cassytha pubescens (8%), Eucalyptus latisinensis (1, 8%), Eucalyptus racemosa subsp. racemosa (3, 8%), Eucalyptus robusta (7, 8%), Lophostemon suaveolens (8%), Monotoca sp. (Fraser Island P.Baxter 777) (2, 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.

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Stratum: S1

Height avg. = 2.0m, range 1-4m, 12 sites

Crown cover avg. = 26.8%, range 5.0-80.0%, 12 sites

Stem density/ha avg. = 1540, range 20-7400, 5 sites

Dominant species (relative cover, frequency): *Banksia aemula* (43, 33%), *Ricinocarpos pinifolius* (35, 25%), *Leptospermum trinervium* (34, 25%), *Melaleuca nodosa* (32, 25%), *Aotus ericoides* (25, 25%)

Frequent species (cover, frequency): *Acacia suaveolens* (1, 42%), *Banksia aemula* (8, 33%), *Leptospermum polygalifolium* (15, 33%), *Xanthorrhoea johnsonii* (9, 33%), *Allocasuarina littoralis* (2, 25%), *Aotus ericoides* (2, 25%), *Gompholobium virgatum* (1, 25%), *Leptospermum trinervium* (6, 25%), *Leucopogon leptospermoides* (3, 25%), *Melaleuca nodosa* (6, 25%), *Ricinocarpos pinifolius* (8, 25%), *Acacia ulicifolia* (3, 17%), *Baeckea frutescens* (6, 17%), *Cassytha pubescens* (1, 17%), *Conospermum taxifolium* (17%), *Elaeocarpus reticulatus* (1, 17%), *Epacris pulchella* (1, 17%), *Eucalyptus latisinensis* (2, 17%), *Leptomeria acida* (1, 17%), *Leptospermum semibaccatum* (10, 17%), *Leptospermum whitei* (3, 17%), *Monotoca scoparia* (4, 17%), *Monotoca sp. (Fraser Island P.Baxter 777)* (2, 17%), *Ochrosperma lineare* (1, 17%), *Persoonia virgata* (1, 17%), *Phebalium woombye* (3, 17%), *Zieria laxiflora* (17%), *Acacia disparrima subsp. disparrima* (8%), *Acacia hubbardiana* (8%), *Acacia leiocalyx* (1, 8%), *Acacia quadrilateralis* (8%), *Banksia integrifolia* (8%), *Banksia oblongifolia* (8%), *Corymbia intermedia* (8%), *Dendrophthoe glabrescens* (8%), *Dodonaea triquetra* (10, 8%), *Homoranthus virgatus* (8%), *Leucopogon margarodes* (8%), *Lophostemon confertus* (5, 8%), *Melaleuca quinquenervia* (1, 8%), *Melaleuca sieberi* (10, 8%), *Micromyrtus littoralis* (1, 8%), *Phyllota phyllicoides* (8%), *Strangea linearis* (16, 8%), *Woollsia pungens* (8, 8%)

Stratum: S2

Height avg. = 1.2m, range 0.6-2m, 4 sites

Crown cover avg. = 18.8%, range 10.0-30.0%, 4 sites

Stem density/ha avg. = 20, 1 site

Frequent species (cover, frequency): *Acacia ulicifolia* (3, 17%), *Ricinocarpos pinifolius* (5, 17%), *Strangea linearis* (2, 17%), *Allocasuarina littoralis* (1, 8%), *Baeckea frutescens* (2, 8%), *Banksia aemula* (2, 8%), *Cassytha pubescens* (8%), *Corymbia intermedia* (8%), *Dillwynia floribunda* (5, 8%), *Epacris microphylla* (2, 8%), *Eucalyptus latisinensis* (1, 8%), *Exocarpos cupressiformis* (8%), *Leptospermum polygalifolium* (5, 8%), *Leptospermum semibaccatum* (5, 8%), *Leptospermum trinervium* (2, 8%), *Leucopogon leptospermoides* (5, 8%), *Monotoca sp. (Fraser Island P.Baxter 777)* (1, 8%), *Ochrosperma lineare* (2, 8%), *Persoonia virgata* (8%), *Pimelea linifolia* (1, 8%), *Woollsia pungens* (8%), *Xanthorrhoea johnsonii* (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 0.1-0.7m, 12 sites

PFC avg. = 33.0%, range 5-65%, 12 sites

Dominant species (relative cover, frequency): *Platysace linearifolia* (29, 25%), *Pteridium esculentum* (28, 25%), *Xanthorrhoea johnsonii* (16, 33%), *Xanthorrhoea fulva* (16, 25%), *Empodisma minus* (12, 25%)

Frequent species (cover, frequency): GRAMINOIDS: *Caustis recurvata* (4, 83%), *Entolasia stricta* (3, 17%), *Gahnia sieberiana* (2, 17%), *Lepidosperma laterale* (1, 17%), *Trachystylis stradbokensis* (17%), *Triodia marginata* (13, 17%), *Cyperus indet.* (1, 8%), *Entolasia whiteana* (8%), *Eriachne pallescens* (3, 8%), *Gahnia clarkei* (5, 8%), *Imperata cylindrica* (1, 8%), *Melinis minutiflora** (1, 8%), *Paspalidium gausum* (8%), *Schoenus melanostachys* (2, 8%), *Schoenus nitens* (1, 8%), *Themeda triandra* (10, 8%)

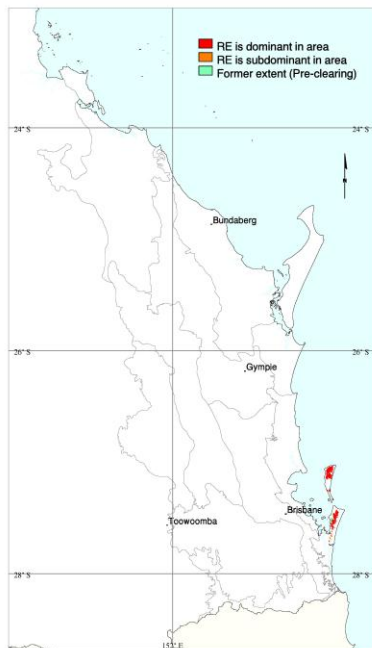
FORBS: *Leucopogon leptospermoides* (2, 75%), *Pimelea linifolia* (1, 58%), *Bossiaea heterophylla* (42%), *Ochrosperma lineare* (1, 42%), *Pseudanthus orientalis* (42%), *Cassytha pubescens* (1, 33%), *Homoranthus virgatus* (33%), *Persoonia virgata* (33%), *Strangea linearis* (1, 33%), *Xanthorrhoea johnsonii* (7, 33%), *Empodisma minus* (4, 25%), *Jacksonia stackhousei* (25%), *Leucopogon margarodes* (25%), *Platysace linearifolia* (7, 25%), *Pteridium esculentum* (10, 25%), *Ricinocarpos pinifolius* (25%), *Xanthorrhoea fulva* (3, 25%), *Zieria laxiflora* (25%), *Austromyrtus dulcis* (17%), *Baloskion pallens* (1, 17%), *Bossiaea ensata* (2, 17%), *Brachyloma daphnoides* (17%), *Burchardia umbellata* (1, 17%), *Coleocarya gracilis* (6, 17%), *Epacris pulchella* (1, 17%), *Hibbertia linearis* (1, 17%), *Hibbertia linearis* var. *obtusifolia* (3, 17%), *Leptocarpus tenax* (1, 17%), *Leptospermum semibaccatum* (6, 17%), *Leucopogon deformis* (2, 17%), *Monotoca scoparia* (17%), *Monotoca* sp. (Fraser Island P.Baxter 777) (17%), *Phebalium woombye* (2, 17%), *Platysace ericoides* (4, 17%), *Pomax umbellata* (8, 17%), *Acacia concurrens* (8%), *Acacia disparrima* subsp. *disparrima* (8%), *Acacia ulicifolia* (8%), *Allocasuarina littoralis* (8%), *Alphitonia excelsa* (8%), *Aotus ericoides* (20, 8%), *Astrotricha longifolia* (8%), *Baeckea frutescens* (8%), *Baeckea* indet. (10, 8%), *Baloskion tenuiculme* (8%), *Banksia aemula* (1, 8%), *Boronia falcifolia* (1, 8%), *Boronia glabra* (2, 8%), *Boronia rosmarinifolia* (8%), *Cassytha glabella* (1, 8%), *Comesperma defoliatum* (1, 8%), *Commelina lanceolata* (8%), *Conospermum taxifolium* (8%), *Corymbia torelliana* (8%), *Cupaniopsis anacardioides* (8%), *Dianella caerulea* (8%), *Dillwynia floribunda* (1, 8%), *Glochidion ferdinandi* (8%), *Gompholobium virgatum* (8%), *Goodenia* indet. (1, 8%), *Hakea actites* (1, 8%), *Hibbertia acicularis* (2, 8%), *Hibbertia fasciculata* (1, 8%), *Hibbertia vestita* (1, 8%), *Laxmannia gracilis* (8%), *Leptospermum polygalifolium* (8%), *Leptospermum trinervium* (1, 8%), *Leptospermum whitei* (1, 8%), *Leucopogon pimeleoides* (5, 8%), *Leucopogon virgatus* (1, 8%), *Lomandra elongata* (8%), *Lomandra filiformis* (8%), *Lomandra longifolia* (15, 8%), *Marsdenia fraseri* (1, 8%), *Micromyrtus littoralis* (13, 8%), *Opuntia stricta** (8%), *Parsonsia straminea* (8%), *Patersonia sericea* var. *sericea* (8%), *Persoonia stradbokensis* (1, 8%), *Petrophile shirleyae* (8%), *Philotheca queenslandica* (8%), *Phyllota phyllicoides* (13, 8%), *Restio* indet. (2, 8%), *Restionaceae* indet. (5, 8%), *Sansevieria trifasciata* (8%), *Schefflera actinophylla* (8%), *Schizaea bifida* (1, 8%), *Schizaea dichotoma* (8%), *Solanum seaforthianum** (8%), *Sprengelia sprengelioides* (5, 8%), *Syagrus romanzoffiana** (8%), *Tricoryne anceps* (8%), *Woollsia pungens* (1, 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

Mallee *Eucalyptus planchoniana* +/- *Corymbia gummifera*, *E. racemosa* subsp. *racemosa*, *Banksia aemula* woodland on dunes and sand plains, especially southern sand mass islands. Usually deeply leached soils



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 11,264 10,003 89%

Species recorded: Total: 84; woody: 38; ground: 68; Avg. spp./site: 30.8; std dev.: 2.9, 9 site(s)

Basal area: Avg./site: 18.1 m²/ha, range: 9.5 - 29 m²/ha, std. deviation: 6 m²/ha, 9 site(s)

Structural formation: Low open-forest: 44%; woodland: 33%; open-forest: 11%; closed-forest: 11%, 9 site(s)

Representative sites: 16461, 16487, 27235, 27240, 27254, 27272, 27277, 27281, 27282.

Stratum: **T1**

Height avg. = 7.9m, range 5-12m, 9 sites

Crown cover avg. = 52.4%, range 25.0-81.0%, 9 sites

Stem density/ha avg. = 1301, range 180-2480, 9 sites

Dominant species (relative cover, frequency): *Eucalyptus planchoniana* (45, 100%), *Eucalyptus racemosa* subsp. *racemosa* (27, 67%), *Banksia aemula* (22, 67%), *Corymbia gummifera* (19, 89%), *Monotoca* sp. (Fraser Island P.Baxter 777) (6, 22%)

Frequent species (cover, frequency): *Eucalyptus planchoniana* (25, 100%), *Corymbia gummifera* (11, 89%), *Banksia aemula* (12, 67%), *Eucalyptus racemosa* subsp. *racemosa* (10, 67%), *Leptospermum trinervium* (1, 56%), *Monotoca* sp. (Fraser Island P.Baxter 777) (3, 22%), *Angophora leiocarpa* (11%), *Corymbia intermedia* (6, 11%), *Elaeocarpus reticulatus* (11%), *Eucalyptus resinifera* (5, 11%)

Stratum: **T2**

Height avg. = 6.3m, range 5-7m, 4 sites

Crown cover avg. = 22.5%, range 10.0-40.0%, 4 sites

Stem density/ha avg. = 1518, range 240-4750, 4 sites

Dominant species (relative cover, frequency): *Banksia aemula* (55, 44%), *Monotoca scoparia* (41, 22%), *Eucalyptus racemosa* subsp. *racemosa* (12, 33%)

Frequent species (cover, frequency): *Banksia aemula* (12, 44%), *Eucalyptus racemosa* subsp. *racemosa* (2, 33%), *Monotoca scoparia* (15, 22%), *Acacia leiocalyx* (3, 11%), *Elaeocarpus reticulatus* (2, 11%), *Eucalyptus planchoniana* (11%), *Leptospermum trinervium* (6, 11%), *Lophostemon confertus* (1, 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. = 2.2m, range 1.2-4m, 9 sites

Crown cover avg. = 35.1%, range 5.0-80.0%, 9 sites

Stem density/ha avg. = 1637, range 20-5120, 9 sites

Dominant species (relative cover, frequency): *Monotoca* sp. (Fraser Island P.Baxter 777) (37, 33%), *Xanthorrhoea johnsonii* (37, 56%), *Leptospermum trinervium* (31, 44%), *Leucopogon leptospermoides* (25, 22%), *Eucalyptus planchoniana* (16, 56%)

Frequent species (cover, frequency): *Banksia aemula* (2, 67%), *Eucalyptus planchoniana* (1, 56%), *Xanthorrhoea johnsonii* (14, 56%), *Leptospermum trinervium* (22, 44%), *Persoonia virgata* (2, 44%), *Corymbia gummifera* (1, 33%), *Leptomeria acida* (2, 33%), *Monotoca* sp. (Fraser Island P.Baxter 777) (8, 33%), *Phyllota phyllicoides* (1, 33%), *Styphelia viridis* (33%), *Acacia suaveolens* (1, 22%), *Gompholobium virgatum* (4, 22%), *Leucopogon leptospermoides* (16, 22%), *Leucopogon margarodes* (1, 22%), *Leucopogon pimeleoides* (22%), *Ricinocarpos pinifolius* (4, 22%), *Acacia ulicifolia* (10, 11%), *Aotus ericoides* (6, 11%), *Aotus lanigera* (11%), *Bossiaea ensata* (1, 11%), *Daviesia umbellulata* (11%), *Dillwynia retorta* (1, 11%), *Elaeocarpus reticulatus* (2, 11%), *Homoranthus virgatus* (1, 11%), *Leptospermum polygalifolium* (4, 11%), *Leucopogon ericoides* (11%), *Lophostemon confertus* (11%), *Monotoca scoparia* (1, 11%), *Persoonia stradbokensis* (11%), *Petrophile canescens* (11%), *Pimelea linifolia* (3, 11%), *Strangea linearis* (12, 11%), *Woollisia pungens* (11%)

Stratum: G

Height avg. = 0.5m, range 0.3-0.7m, 9 sites

PFC avg. = 43.1%, range 23-96%, 9 sites

Dominant species (relative cover, frequency): *Caustis blakei* (26, 22%), *Xanthorrhoea johnsonii* (21, 100%), *Pteridium esculentum* (17, 78%), *Phyllota phyllicoides* (10, 22%), *Baloskion tetraphyllum* (9, 33%)

Frequent species (cover, frequency): GRAMINOIDS: *Caustis recurvata* (1, 78%), *Themeda triandra* (2, 56%), *Entolasia stricta* (1, 33%), *Imperata cylindrica* (2, 33%), *Caustis blakei* (15, 22%), *Aristida jerichoensis* var. *jerichoensis* (11%), *Caustis flexuosa* (11%), *Eriachne pallescens* (1, 11%), *Panicum effusum* (11%)

FORBS: *Xanthorrhoea johnsonii* (7, 100%), *Austromyrtus dulcis* (5, 89%), *Hibbertia linearis* (1, 78%), *Leucopogon leptospermoides* (2, 78%), *Pteridium esculentum* (9, 78%), *Boronia rosmarinifolia* (1, 67%), *Platysace ericoides* (1, 67%), *Lomandra longifolia* (4, 56%), *Monotoca scoparia* (56%), *Strangea linearis* (56%), *Xanthosia pilosa* (56%), *Coleocarya gracilis* (7, 44%), *Epacris pulchella* (1, 44%), *Hardenbergia violacea* (1, 44%), *Hibbertia acicularis* (44%), *Leptospermum trinervium* (1, 44%), *Leucopogon pimeleoides* (1, 44%), *Lomandra multiflora* (1, 44%), *Monotoca* sp. (Fraser Island P.Baxter 777) (1, 44%), *Ochrosperma lineare* (44%), *Persoonia virgata* (44%), *Pseudanthus orientalis* (1, 44%), *Woollisia pungens* (2, 44%), *Acacia ulicifolia* (1, 33%), *Baloskion tetraphyllum* (2, 33%), *Banksia aemula* (3, 33%), *Gompholobium virgatum* (33%), *Homoranthus virgatus* (33%), *Leucopogon margarodes* (1, 33%), *Pimelea linifolia* (33%), *Zieria laxiflora* (2, 33%), *Bossiaea ensata* (1, 22%), *Bossiaea heterophylla* (1, 22%), *Brachyloma daphnoides* (2, 22%), *Cassytha glabella* (1, 22%), *Dianella caerulea* (1, 22%), *Patersonia sericea* (22%), *Petrophile canescens* (1, 22%), *Phyllota phyllicoides* (3, 22%), *Schizaea bifida* (22%), *Acacia* indet. (1, 11%), *Acacia suaveolens* (1, 11%), *Acrotriche aggregata* (11%), *Astrotricha glabra* (1, 11%), *Astrotricha latifolia* (1, 11%), *Cassytha filiformis* (11%), *Daviesia umbellulata* (11%), *Epacris microphylla* (1, 11%), *Gompholobium virgatum* var. *virgatum* (11%), *Hibbertia fasciculata* (1, 11%), *Hibbertia vestita* (11%), *Jasminum simplicifolium* (11%), *Laxmannia gracilis* (11%), *Leptospermum polygalifolium* (11%), *Leucopogon deformis* (1, 11%), *Leucopogon ericoides* (1, 11%), *Marsdenia fraseri* (1, 11%), *Patersonia glabrata* (11%), *Persoonia cornifolia* (1, 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

Corymbia tessellaris +/- Eucalyptus tereticornis, C. intermedia and Livistona decora woodland on beach ridges in northern half of bioregion

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 27,623 20,654 75%

Species recorded: Total: 143; woody: 54; ground: 99; Avg. spp./site: 37.8; std dev.: 5.6, 11 site(s)

Basal area: Avg./site: 16.6 m²/ha, range: 1.0 - 26 m²/ha, std. deviation: 8 m²/ha, 11 site(s)

Structural formation: Woodland: 64%; tall open-shrubland: 18%; open-forest: 18%, 11 site(s)

Representative sites: 13903, 13904, 13908, 13910, 14064, 14068, 14070, 14086, 14091, 14099, 14103.

Stratum: T1

Height avg. = 17.6m, range 14-23m, 9 sites

Crown cover avg. = 43.3%, range 25.0-65.0%, 9 sites

Stem density/ha avg. = 272, range 80-440, 5 sites

Dominant species (relative cover, frequency): Corymbia tessellaris (46, 73%), Corymbia intermedia (36, 36%), Lophostemon suaveolens (25, 27%), Melaleuca dealbata (19, 55%), Eucalyptus tereticornis (8, 45%)

Frequent species (cover, frequency): Corymbia tessellaris (19, 73%), Melaleuca dealbata (9, 55%), Eucalyptus tereticornis (4, 45%), Corymbia intermedia (16, 36%), Livistona decora (3, 27%), Lophostemon suaveolens (10, 27%), Banksia integrifolia (6, 18%), Callitris columellaris (9, 9%), Casuarina glauca (1, 9%), Cupaniopsis anacardioides (5, 9%), Melaleuca quinquenervia (27, 9%), Pleiogynium timorense (5, 9%)

Stratum: T2

Height avg. = 8.5m, range 4-16m, 8 sites

Crown cover avg. = 7.5%, range 3.0-15.0%, 8 sites

Stem density/ha avg. = 205, range 20-500, 4 sites

Dominant species (relative cover, frequency): Acacia disparrima subsp. disparrima (29, 45%), Banksia integrifolia (26, 27%)

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (2, 45%), Banksia integrifolia (2, 27%), Ficus rubiginosa (1, 18%), Livistona decora (2, 18%), Melaleuca dealbata (4, 18%), Planchonia careya (3, 18%), Polyscias elegans (4, 18%), Acacia leptocarpa (2, 9%), Acronychia imperforata (1, 9%), Corymbia intermedia (9%), Corymbia tessellaris (1, 9%), Eucalyptus tereticornis (9%), Glochidion lobocarpum (7, 9%), Lophostemon suaveolens (1, 9%), Melaleuca quinquenervia (9%), Parsonsia straminea (3, 9%), Petalostigma pubescens (8, 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. = 2.5m, range 2-4.5m, 11 sites

Crown cover avg. = 7.6%, range 3.0-15.0%, 11 sites

Stem density/ha avg. = 347, range 300-420, 3 sites

Dominant species (relative cover, frequency): *Acacia flavescens* (26, 45%), *Livistona decora* (26, 36%), *Acacia disparrima* subsp. *disparrima* (24, 64%), *Petalostigma pubescens* (21, 36%), *Acronychia imperforata* (15, 27%)

Frequent species (cover, frequency): *Lantana camara** (1, 73%), *Acacia disparrima* subsp. *disparrima* (2, 64%), *Alphitonia excelsa* (64%), *Ficus opposita* (64%), *Glochidion lobocarpum* (1, 55%), *Acacia flavescens* (2, 45%), *Cupaniopsis anacardioides* (1, 45%), *Livistona decora* (2, 36%), *Petalostigma pubescens* (2, 36%), *Acacia leiocalyx* (27%), *Acronychia imperforata* (1, 27%), *Banksia integrifolia* (1, 27%), *Cyclophyllum coprosmoides* (1, 27%), *Planchonia careya* (27%), *Allocasuarina littoralis* (1, 18%), *Clerodendrum floribundum* (18%), *Exocarpos latifolius* (18%), *Ficus rubiginosa* (18%), *Leptospermum neglectum* (18%), *Maclura cochinchinensis* (2, 18%), *Alectryon coriaceus* (9%), *Amyema mackayensis* (9%), *Aphananthe philippinensis* (9%), *Arytera divaricata* (9%), *Asparagus africanus** (9%), *Breynia oblongifolia* (9%), *Clematicissus opaca* (9%), *Corymbia intermedia* (9%), *Corymbia tessellaris* (1, 9%), *Crotalaria pallida* (9%), *Dodonaea viscosa* (1, 9%), *Dodonaea viscosa* subsp. *burmanniana* (9%), *Embelia australiana* (9%), *Eugenia uniflora** (9%), *Eustrephus latifolius* (9%), *Leucopogon leptospermoides* (1, 9%), *Lophostemon suaveolens* (9%), *Mallotus discolor* (9%), *Persoonia virgata* (9%), *Pleiogynium timorense* (9%), *Polyalthia nitidissima* (9%), *Psychotria loniceroides* (1, 9%), *Trophis scandens* (9%), *Viscum articulatum* (9%), *Wikstroemia indica* (9%), *Xylomelum benthamii* (9%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.6m, 11 sites

PFC avg. = 39.5%, range 15-65%, 11 sites

Dominant species (relative cover, frequency): *Digitaria didactyla** (94, 27%), *Imperata cylindrica* (17, 73%), *Themeda triandra* (16, 27%), *Cyperus enervis* (11, 36%), *Pteridium esculentum* (7, 45%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Imperata cylindrica* (6, 73%), *Aristida queenslandica* (55%), *Cymbopogon refractus* (2, 36%), *Cyperus enervis* (2, 36%), *Digitaria didactyla** (43, 27%), *Themeda triandra* (7, 27%), *Alloteropsis semialata* (5, 18%), *Cyperus eglobosus* (18%), *Eragrostis interrupta* (5, 18%), *Eriachne pallescens* (11, 18%), *Melinis repens** (18%), *Zoysia macrantha* (24, 18%), *Baumea juncea* (9%), *Bulbostylis barbata* (9%), *Cynodon dactylon* (15, 9%), *Cyperus brevifolius** (9%), *Cyperus indet.* (9%), *Digitaria parviflora* (1, 9%), *Eragrostis brownii* (9%), *Paspalidium gausum* (9%), *Sporobolus laxus* (22, 9%), *Trachystylis stradbokensis* (9%), *Triodia marginata* (22, 9%)

FORBS: *Passiflora suberosa** (2, 82%), *Emilia sonchifolia** (55%), *Dianella caerulea* (45%), *Pteridium esculentum* (3, 45%), *Cyanthillium cinereum* (36%), *Clematicissus opaca* (27%), *Conyza indet.* (27%), *Lomandra longifolia* (27%), *Opuntia stricta** (27%), *Cassytha pubescens* (18%), *Commelina diffusa* (18%), *Commelina ensifolia* (18%), *Desmodium rhytidophyllum* (18%), *Eustrephus latifolius* (18%), *Flemingia parviflora* (18%), *Glycine clandestina* (18%), *Hibbertia scandens* (18%), *Jasminum didymum* subsp. *racemosum* (18%), *Livistona decora* (18%), *Macroptilium atropurpureum** (18%), *Phyllanthus virgatus* (18%), *Richardia brasiliensis** (18%), *Rivina humilis** (3, 18%), *Xanthorrhoea johnsonii* (18%), *Achyranthes aspera* (9%), *Asparagus africanus** (1, 9%), *Bidens pilosa** (9%), *Brachyloma daphnoides* (9%), *Breynia oblongifolia* (9%), *Bridelia leichhardtii* (9%), *Callitris columellaris* (9%), *Carissa ovata* (9%), *Cheilanthes sieberi* (9%), *Crotalaria montana* (9%), *Crotalaria pallida* (9%), *Cyclophyllum coprosmoides* (9%), *Desmodium triflorum** (9%), *Diospyros geminata* (9%), *Einadia hastata* (9%), *Ficus rubiginosa* (9%), *Geitonoplesium cymosum* (9%), *Glochidion ferdinandi* (9%), *Glycine tomentella* (9%), *Hibbertia indet.* (9%), *Hybanthus stellarioides* (9%), *Indigofera suffruticosa** (1, 9%), *Jasminum didymum* subsp. *didymum* (9%), *Jasminum simplicifolium* (9%), *Lepidium indet.* (9%), *Leucopogon leptospermoides* (9%), *Lomandra confertifolia* subsp. *pallida* (1, 9%), *Macrotyloma axillare* (9%), *Melia azedarach* (9%), *Murdannia graminea* (9%), *Ochna serrulata** (9%), *Oldenlandia corymbosa* (9%), *Oxalis corniculata** (9%), *Oxalis exilis* (9%), *Passiflora aurantia* (9%), *Passiflora foetida** (9%), *Pimelea linifolia* (9%), *Platysace linearifolia* (9%), *Poranthera microphylla* (9%), *Portulaca pilosa** (9%), *Pycnospora lutescens* (9%), *Schizaea dichotoma* (9%), *Sida cordifolia** (9%), *Sida rhombifolia** (9%), *Sisyrinchium* sp. (*Peregian P.R.Sharpe 4970*)* (9%), *Smilax australis* (9%), *Solanum americanum* (9%), *Solanum seaforthianum** (9%), *Stephania japonica* (9%), *Tridax procumbens** (9%), *Wahlenbergia indet.* (9%), *Xyris juncea* (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

Closed-heath on seasonally waterlogged sand plains

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 13,981 10,699 77%

Species recorded: Total: 66; woody: 36; ground: 47; Avg. spp./site: 19.4; std dev.: 4.5, 7 site(s)

Basal area: 0

Structural formation: Closed-heath: 57%; open-heath: 29%; shrubland: 14%, 7 site(s)

Representative sites: 14087, 14090, 16443, 16450, 16493, 16524, 19859.

Stratum: E

Height avg. = 3.3m, range 3-3.5m, 2 sites

Crown cover avg. = 4.0%, range 3.0-5.0%, 2 sites

Stem density/ha avg. = 100, 1 site

Frequent species (cover, frequency): Elaeocarpus reticulatus (1, 14%), Eucalyptus robusta (3, 14%), Melaleuca quinquenervia (3, 14%)

Stratum: S1

Height avg. = 1.6m, range 1-2m, 6 sites

Crown cover avg. = 34.2%, range 10.0-90.0%, 6 sites

Dominant species (relative cover, frequency): Banksia robur (57, 43%), Xanthorrhoea fulva (53, 29%), Sprengelia sprengelioides (27, 29%), Baeckea frutescens (20, 29%), Leptospermum liversidgei (16, 29%)

Frequent species (cover, frequency): Banksia robur (13, 43%), Baeckea frutescens (8, 29%), Leptospermum liversidgei (4, 29%), Leptospermum polygalifolium (2, 29%), Melaleuca quinquenervia (29%), Persoonia virgata (1, 29%), Sprengelia sprengelioides (8, 29%), Xanthorrhoea fulva (34, 29%), Acacia hubbardiana (14%), Aotus ericoides (15, 14%), Banksia oblongifolia (2, 14%), Epacris obtusifolia (14%), Hakea actites (1, 14%), Leptospermum whitei (9, 14%), Melaleuca nodosa (20, 14%), Melaleuca pachyphylla (14%), Ochrosperma lineare (3, 14%), Pultenaea paleacea var. pauciflora (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: S2

Height avg. = 1.0m, range 0.8-1.1m, 3 sites

Crown cover avg. = 66.7%, range 60.0-75.0%, 3 sites

Dominant species (relative cover, frequency): *Leptospermum liversidgei* (23, 29%), *Aotus ericoides* (16, 29%), *Baeckea frutescens* (14, 43%), *Leucopogon leptospermoides* (4, 29%)

Frequent species (cover, frequency): *Baeckea frutescens* (7, 43%), *Aotus ericoides* (7, 29%), *Leptospermum liversidgei* (17, 29%), *Leucopogon leptospermoides* (1, 29%), *Baloskion tenuiculme* (14%), *Banksia oblongifolia* (10, 14%), *Boronia falcifolia* (7, 14%), *Cassytha filiformis* (14%), *Cassytha glabella* (5, 14%), *Epacris microphylla* (10, 14%), *Epacris obtusifolia* (14%), *Gonocarpus micranthus* subsp. *ramosissimus* (14%), *Hibbertia salicifolia* (2, 14%), *Leptomeria acida* (14%), *Leptospermum speciosum* (5, 14%), *Monotoca scoparia* (14%), *Ochrosperma lineare* (6, 14%), *Olex retusa* (3, 14%), *Persoonia virgata* (2, 14%), *Pimelea linifolia* (14%), *Pinus elliotii** (1, 14%), *Platysace linearifolia* (14%), *Sprengelia sprengelioides* (8, 14%), *Strangea linearis* (14%), *Xanthorrhoea fulva* (32, 14%)

Stratum: G

Height avg. = 0.7m, range 0.5-1m, 6 sites

PFC avg. = 39.2%, range 5-80%, 6 sites

Dominant species (relative cover, frequency): *Baloskion pallens* (47, 43%), *Empodisma minus* (29, 43%), *Xanthorrhoea johnsonii* (19, 29%), *Banksia robur* (13, 29%), *Sprengelia sprengelioides* (11, 29%)

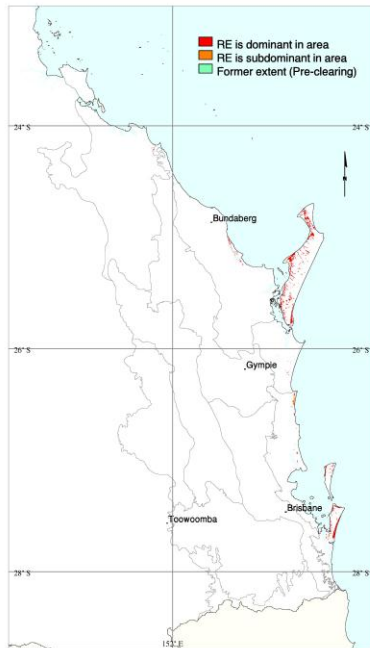
Frequent species (cover, frequency): GRAMINOIDS: *Caustis recurvata* (4, 29%), *Baumea articulata* (5, 14%), *Caustis blakei* subsp. *blakei* (4, 14%), *Entolasia stricta* (14%), *Gahnia sieberiana* (3, 14%), *Schoenus brevifolius* (1, 14%)

FORBS: *Boronia falcifolia* (1, 57%), *Strangea linearis* (1, 57%), *Baloskion pallens* (11, 43%), *Empodisma minus* (20, 43%), *Pimelea linifolia* (1, 43%), *Selaginella uliginosa* (43%), *Banksia oblongifolia* (1, 29%), *Banksia robur* (8, 29%), *Cassytha glabella* (1, 29%), *Comesperma defoliatum* (1, 29%), *Hibbertia salicifolia* (1, 29%), *Leptospermum semibaccatum* (4, 29%), *Leptospermum whitei* (2, 29%), *Sprengelia sprengelioides* (1, 29%), *Xanthorrhoea johnsonii* (15, 29%), *Aotus ericoides* (1, 14%), *Baeckea frutescens* (5, 14%), *Baloskion indet.* (2, 14%), *Baloskion tetraphyllum* (1, 14%), *Blechnum indicum* (1, 14%), *Burchardia umbellata* (1, 14%), *Cassytha filiformis* (14%), *Drosera burmanni* (14%), *Drosera peltata* (1, 14%), *Durringtonia paludosa* (14%), *Epacris microphylla* (1, 14%), *Epacris obtusifolia* (1, 14%), *Epacris pulchella* (1, 14%), *Eurychorda complanata* (1, 14%), *Gonocarpus micranthus* subsp. *micranthus* (1, 14%), *Goodenia indet.* (1, 14%), *Leptocarpus tenax* (1, 14%), *Leucopogon leptospermoides* (14%), *Melaleuca thymifolia* (14%), *Persoonia virgata* (2, 14%), *Philotheca queenslandica* (1, 14%), *Pseudanthus orientalis* (5, 14%), *Pteridium esculentum* (5, 14%), *Sporadanthus interruptus* (1, 14%), *Trachymene incisa* (1, 14%), *Xanthorrhoea fulva* (4, 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

Gahnia sieberiana, Empodisma minus, Gleichenia spp. closed-sedgeland in coastal swamps

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 16,343 16,111 99%

Species recorded: Total: 14; woody: 5; ground: 11; Avg. spp./site: 9.7; std dev.: 1.2, 3 site(s)

Basal area: 0

Structural formation: Closed-sedgeland: 100%, 3 site(s)

Representative sites: 16456, 16478, 16486.

Stratum: S1

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

Crown cover avg. = 31.7%, range 20.0-50.0%, 3 sites

Dominant species (relative cover, frequency): *Leptospermum liversidgei* (38, 100%), *Gahnia sieberiana* (38, 100%), *Epacris microphylla* (34, 67%), *Melaleuca quinquenervia* (2, 33%), *Leptospermum semibaccatum* (2, 33%)

Frequent species (cover, frequency): *Gahnia sieberiana* (11, 100%), *Leptospermum liversidgei* (12, 100%), *Epacris microphylla* (13, 67%), *Leptospermum semibaccatum* (1, 33%), *Melaleuca quinquenervia* (1, 33%)

Stratum: G

Height avg. = 0.9m, range 0.8-1m, 3 sites

PFC avg. = 100.0%, range 100-100%, 3 sites

Dominant species (relative cover, frequency): *Gleichenia mendellii* (45, 100%), *Empodisma minus* (44, 100%), *Lepironia articulata* (10, 67%), *Epacris microphylla* (5, 33%), *Melaleuca quinquenervia* (2, 67%)

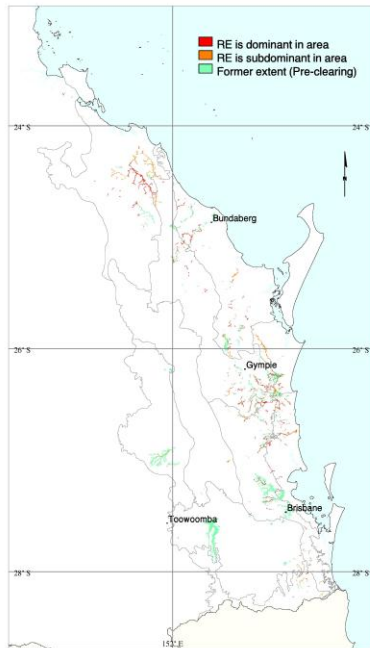
Frequent species (cover, frequency): GRAMINOIDS: *Lepironia articulata* (10, 67%)

FORBS: *Empodisma minus* (43, 100%), *Gleichenia mendellii* (45, 100%), *Blechnum indicum* (1, 67%), *Hibbertia salicifolia* (1, 67%), *Melaleuca quinquenervia* (2, 67%), *Aotus ericoides* (1, 33%), *Comesperma defoliatum* (1, 33%), *Drosera binata* (1, 33%), *Epacris microphylla* (5, 33%), *Sprengelia sprengelioides* (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

Gallery rainforest (notophyll vine forest) on alluvial plains

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 38,549 9,934 26%

Species recorded: Total: 166; woody: 80; ground: 93; Avg. spp./site: 63.0; std dev.: 6.0, 6 site(s)

Basal area: Avg./site: 22.5 m²/ha, range: 19.0 - 26 m²/ha, std. deviation: 4 m²/ha, 2 site(s)

Structural formation: Closed-forest: 67%; woodland: 17%; open-forest: 17%, 6 site(s)

Representative sites: 14023, 14029, 14040, 14104, 19833, 19886.

Stratum: E

Height avg. = 21.5m, range 18-25m, 2 sites

Crown cover avg. = 3.5%, range 3.0-4.0%, 2 sites

Dominant species (relative cover, frequency): Eucalyptus tereticornis (67, 33%)

Frequent species (cover, frequency): Eucalyptus tereticornis (3, 33%), Lophostemon confertus (2, 17%)

Stratum: T1

Height avg. = 15.5m, range 10-21m, 6 sites

Crown cover avg. = 72.5%, range 30.0-90.0%, 6 sites

Dominant species (relative cover, frequency): Dysoxylum gaudichaudianum (32, 33%), Cryptocarya triplinervis (14, 33%)

Frequent species (cover, frequency): Cryptocarya triplinervis (12, 33%), Dysoxylum gaudichaudianum (28, 33%), Acacia disparrima subsp. disparrima (5, 17%), Acronychia imperforata (20, 17%), Allocasuarina torulosa (3, 17%), Aphananthe philippinensis (15, 17%), Archontophoenix cunninghamiana (2, 17%), Arytera divaricata (1, 17%), Backhousia myrtifolia (10, 17%), Capparis arborea (1, 17%), Castanospermum australe (54, 17%), Corymbia intermedia (2, 17%), Cryptocarya hypospodia (1, 17%), Diospyros fasciculosa (20, 17%), Drypetes deplanchei (20, 17%), Elaeocarpus grandis (10, 17%), Eucalyptus grandis (17%), Eucalyptus propinqua (3, 17%), Ficus racemosa (27, 17%), Gossia bidwillii (5, 17%), Jagera pseudorhus (20, 17%), Lophostemon confertus (24, 17%), Mallotus discolor (15, 17%), Melia azedarach (3, 17%), Pouteria pohlmiana (20, 17%), Streblus brunonianus (20, 17%), Syncarpia glomulifera (11, 17%), Tristaniopsis laurina (8, 17%), Vitex lignum-vitae (3, 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: T2

Height avg. = 7.2m, range 4-10m, 6 sites

Crown cover avg. = 23.3%, range 10.0-50.0%, 6 sites

Dominant species (relative cover, frequency): Tristaniopsis laurina (40, 33%)

Frequent species (cover, frequency): Tristaniopsis laurina (20, 33%), Acacia binervata (6, 17%), Acacia disparrima subsp. disparrima (3, 17%), Acacia maidenii (3, 17%), Alphitonia excelsa (3, 17%), Backhousia myrtifolia (18, 17%), Croton insularis (4, 17%), Cryptocarya triplinervis (5, 17%), Cryptocarya triplinervis var. triplinervis (5, 17%), Cupaniopsis wadsworthii (17%), Diospyros australis (5, 17%), Ficus coronata (5, 17%), Glochidion ferdinandi (10, 17%), Lophostemon confertus (2, 17%), Macaranga tanarius (7, 17%), Melaleuca salicina (2, 17%), Olea paniculata (5, 17%), Pittosporum undulatum (4, 17%), Podocarpus elatus (2, 17%), Polyscias elegans (2, 17%), Strychnos psilosperma (17%), Triflorensia ixoroides (17%), Wilkiea macrophylla (3, 17%)

Stratum: S1

Height avg. = 2.4m, range 2-3m, 6 sites

Crown cover avg. = 12.3%, range 4.0-20.0%, 6 sites

Dominant species (relative cover, frequency): Backhousia myrtifolia (43, 33%), Streblus brunonianus (25, 33%), Mallotus philippensis (24, 33%), Alyxia ruscifolia (23, 33%), Lantana camara (11, 67%)*

Frequent species (cover, frequency): Lantana camara (2, 67%), Alyxia ruscifolia (2, 33%), Backhousia myrtifolia (9, 33%), Carissa ovata (33%), Jagera pseudorhus (33%), Livistona decora (33%), Mallotus philippensis (2, 33%), Streblus brunonianus (2, 33%), Acronychia laevis (17%), Alchornea ilicifolia (17%), Alphitonia excelsa (1, 17%), Breynia oblongifolia (17%), Bridelia leichhardtii (17%), Celtis sinensis* (1, 17%), Cryptocarya laevigata (5, 17%), Cupaniopsis anacardioides (17%), Cyclophyllum coprosmoides (17%), Cynanchum bowmanii (17%), Diospyros geminata (1, 17%), Drypetes deplanchei (17%), Embelia australiana (4, 17%), Eugenia uniflora* (17%), Ficus opposita (17%), Macaranga tanarius (17%), Maclura cochinchinensis (1, 17%), Mallotus claoxyloides (17%), Mallotus discolor (17%), Melia azedarach (17%), Memecylon pauciflorum (5, 17%), Morinda canthoides (17%), Notelaea microcarpa (17%), Pararchidendron pruinosum (17%), Phyllanthus microcladus (3, 17%), Pittosporum undulatum (2, 17%), Psidium guajava* (17%), Psydrax odorata (17%), Schizomeria ovata (4, 17%), Sterculia quadrifida (17%), Syzygium australe (1, 17%), Trophis scandens (17%), Ventilago pubiflora (17%)*

Stratum: G

Height avg. = 0.4m, range 0.2-0.7m, 6 sites

PFC avg. = 12.5%, range 1-40%, 6 sites

Dominant species (relative cover, frequency): Oplismenus imbecillis (34, 50%), Ottochloa gracillima (33, 50%), Lomandra hystrix (24, 33%), Ageratina riparia (11, 33%), Adiantum hispidulum (5, 33%)*

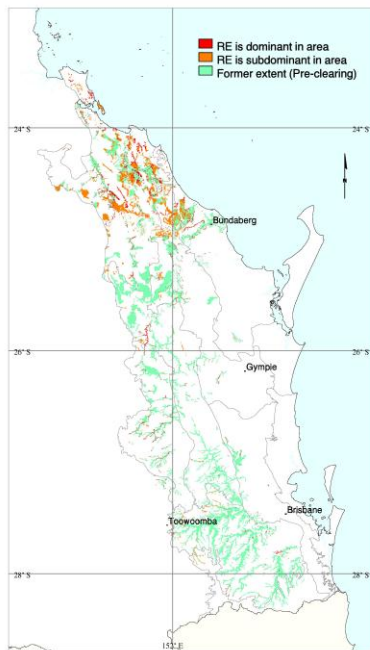
Frequent species (cover, frequency): GRAMINOIDS: Oplismenus imbecillis (2, 50%), Ottochloa gracillima (2, 50%), Entolasia stricta (2, 17%), Melinis minutiflora (17%), Paspalum scrobiculatum (31, 17%)*

FORBS: Geitonoplesium cymosum (67%), Smilax australis (67%), Pandorea pandorana (50%), Adiantum hispidulum (1, 33%), Ageratina riparia (2, 33%), Austrostenisia blackii (33%), Babingtonia similis (33%), Calochlaena dubia (33%), Centella asiatica (33%), Christella dentata (33%), Cissus antarctica (33%), Cryptocarya microneura (33%), Dioscorea transversa (33%), Lomandra hystrix (6, 33%), Morinda jasminoides (33%), Parsonsia straminea (33%), Passiflora suberosa* (33%), Pittosporum revolutum (33%), Pseuderanthemum variabile (33%), Psychotria loniceroides (33%), Senna pendula var. glabrata* (33%), Stephania japonica (33%), Trochocarpa laurina (33%), Acmena smithii (17%), Acronychia baeuerlenii (17%), Adiantum formosum (17%), Ageratum houstonianum* (17%), Alphitonia excelsa (17%), Alpinia caerulea (17%), Aneilema acuminatum (17%), Aphananthe philippinensis (17%), Aristolochia elegans* (17%), Baccharis halimifolia* (17%), Blechnum cartilagineum (1, 17%), Breynia oblongifolia (17%), Cayratia clematidea (17%), Cinnamomum camphora* (17%), Cleistanthus cunninghamii (17%), Clematis glycinoides (17%), Commelina lanceolata (17%), Commersonia bartramia (17%), Cordyline congesta (17%), Cordyline rubra (17%), Denhamia celastroides (17%), Desmodium uncinatum* (17%), Dianella caerulea (17%), Dodonaea triquetra (17%), Doodia aspera (1, 17%), Doodia media (17%), Drynaria sparsisora (17%), Embelia australiana (17%), Eucalyptus tindaliae (17%), Eupomatia laurina (17%), Euroschinus falcatus var. angustifolius (17%), Ficus coronata (17%), Gmelina leichhardtii (17%), Jasminum simplicifolium (17%), Lomatia silaifolia (17%), Macaranga tanarius (17%), Macfadyena unguis-cati* (17%), Mallotus megadontus (17%), Melodorum leichhardtii (17%), Mucuna gigantea (17%), Myrsine angusta (17%), Neolitsea dealbata (17%), Neonotonia wightii (17%), Notelaea longifolia (17%), Oxalis chnoodes (17%), Parsonsia brisbanensis (17%), Parsonsia latifolia (17%), Passiflora edulis* (17%), Peperomia blanda var. floribunda (1, 17%), Pleogyne australis (17%), Prostanthera ovalifolia (17%), Pteridium esculentum (17%), Rhodomyrtus indet. (17%), Rivina humilis* (4, 17%), Rubus moluccanus var. moluccanus (17%), Rubus moluccanus var. trilobus (17%), Solanum mauritianum* (17%), Syagrus romanzoffiana* (17%), Tetrastigma nitens (17%), Thunbergia alata* (17%), Tradescantia fluminensis* (17%), Tripladenia cunninghamii (17%), Triumfetta rhomboidea* (17%), Trophis scandens (17%), Zieria smithii (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 tereticornis woodland on Quaternary alluvium

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 412,046 39,440 10%

Species recorded: Total: 187; woody: 25; ground: 176; Avg. spp./site: 45.7; std dev.: 17.5, 9 site(s)

Basal area: Avg./site: 16.2 m²/ha, range: 8.0 - 31 m²/ha, std. deviation: 7 m²/ha, 9 site(s)

Structural formation: Woodland: 44%; open-woodland: 33%; tall woodland: 11%; open-forest: 11%, 9 site(s)

Representative sites: 14270, 14274, 14696, 14786, 14876, 15374, 15527, 38250, 38464.

Stratum: T1

Height avg. = 23.8m, range 17-32m, 8 sites

Crown cover avg. = 30.8%, range 12.0-65.0%, 9 sites

Stem density/ha avg. = 115, range 40-240, 5 sites

Dominant species (relative cover, frequency): Eucalyptus tereticornis (78, 100%), Eucalyptus crebra (42, 22%), Corymbia clarksoniana (7, 22%)

Frequent species (cover, frequency): Eucalyptus tereticornis (27, 100%), Corymbia clarksoniana (1, 22%), Eucalyptus crebra (5, 22%), Acacia disparrima subsp. disparrima (1, 11%), Angophora leiocarpa (5, 11%), Angophora subvelutina (18, 11%), Corymbia intermedia (5, 11%), Eucalyptus moluccana (1, 11%), Lophostemon suaveolens (1, 11%)

Stratum: T2

Height avg. = 14.8m, range 10.5-22m, 6 sites

Crown cover avg. = 16.8%, range 2.0-40.0%, 9 sites

Stem density/ha avg. = 160, range 30-280, 5 sites

Dominant species (relative cover, frequency): Lophostemon suaveolens (56, 44%), Angophora subvelutina (46, 33%), Melaleuca nervosa subsp. nervosa (38, 22%), Eucalyptus tereticornis (26, 89%), Corymbia tessellaris (23, 33%)

Frequent species (cover, frequency): Eucalyptus tereticornis (6, 89%), Lophostemon suaveolens (12, 44%), Angophora subvelutina (11, 33%), Corymbia tessellaris (2, 33%), Melaleuca nervosa subsp. nervosa (3, 22%), Acacia disparrima subsp. disparrima (1, 11%), Allocasuarina luehmannii (2, 11%), Banksia integrifolia (11%), Corymbia clarksoniana (1, 11%), Corymbia intermedia (1, 11%), Eucalyptus crebra (1, 11%), Eucalyptus melanophloia (2, 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: T3

Height avg. = 7.1m, range 5-10m, 4 sites

Crown cover avg. = 9.7%, range 1.0-30.0%, 7 sites

Stem density/ha avg. = 90, range 20-160, 3 sites

Dominant species (relative cover, frequency): Melaleuca nervosa subsp. nervosa (55, 22%), Lophostemon suaveolens (51, 33%), Eucalyptus tereticornis (49, 33%), Angophora subvelutina (46, 22%), Eucalyptus crebra (5, 22%)

Frequent species (cover, frequency): Eucalyptus tereticornis (3, 33%), Lophostemon suaveolens (10, 33%), Angophora subvelutina (4, 22%), Eucalyptus crebra (22%), Melaleuca nervosa subsp. nervosa (1, 22%), Acacia disparrima subsp. disparrima (1, 11%), Allocasuarina luehmannii (4, 11%), Alphitonia excelsa (2, 11%), Corymbia clarksoniana (1, 11%), Corymbia intermedia (11%), Corymbia tessellaris (2, 11%), Eucalyptus melanophloia (11%), Petalostigma pubescens (10, 11%)

Stratum: S1

Height avg. = 3.1m, range 2-5m, 5 sites

Crown cover avg. = 5.6%, range 0.0-25.0%, 8 sites

Stem density/ha avg. = 540, range 120-960, 2 sites

Dominant species (relative cover, frequency): Corymbia tessellaris (63, 22%), Acacia disparrima subsp. disparrima (61, 33%), Angophora subvelutina (51, 22%), Jacksonia scoparia (29, 22%), Acacia leiocalyx (22, 22%)

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (8, 33%), Acacia leiocalyx (1, 22%), Acacia maidenii (1, 22%), Angophora subvelutina (22%), Corymbia tessellaris (22%), Jacksonia scoparia (2, 22%), Lophostemon suaveolens (1, 22%), Acacia blakei (3, 11%), Acacia concurrens (5, 11%), Acacia glaucocarpa (11%), Acacia salicina (11%), Alphitonia excelsa (3, 11%), Choretum candollei (11%), Corymbia intermedia (11%), Lantana camara (11%), Melaleuca nervosa subsp. nervosa (1, 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: G

Height avg. = 0.6m, range 0.25-1m, 6 sites

PFC avg. = 78.7%, range 56-97%, 9 sites

Dominant species (relative cover, frequency): *Eremochloa bimaculata* (43, 33%), *Imperata cylindrica* (33, 44%), *Heteropogon contortus* (28, 44%), *Themeda triandra* (20, 56%), *Digitaria didactyla** (14, 33%)

Frequent species (cover, frequency): GRAMINOIDS: *Cymbopogon refractus* (6, 56%), *Themeda triandra* (18, 56%), *Cyperus gracilis* (44%), *Eragrostis brownii* (8, 44%), *Heteropogon contortus* (24, 44%), *Imperata cylindrica* (28, 44%), *Digitaria didactyla** (10, 33%), *Eragrostis spartinoideus* (33%), *Eremochloa bimaculata* (34, 33%), *Fimbristylis dichotoma* (33%), *Melinis repens** (4, 33%), *Abildgaardia ovata* (22%), *Aristida personata* (1, 22%), *Bothriochloa decipiens* (2, 22%), *Chrysopogon sylvaticus* (6, 22%), *Digitaria parviflora* (4, 22%), *Digitaria ramularis* (5, 22%), *Eragrostis curvula** (22%), *Eragrostis lacunaria* (1, 22%), *Juncus continuus* (22%), *Panicum effusum* (3, 22%), *Panicum simile* (5, 22%), *Paspalidium distans* (1, 22%), *Sporobolus elongatus* (22%), *Alloteropsis semialata* (1, 11%), *Aristida benthamii* var. *benthamii* (2, 11%), *Aristida gracilipes* (2, 11%), *Aristida queenslandica* var. *dissimilis* (1, 11%), *Aristida warburgii* (11%), *Arundinella nepalensis* (1, 11%), *Bothriochloa decipiens* var. *decipiens* (5, 11%), *Capillipedium parviflorum* (8, 11%), *Capillipedium spicigerum* (3, 11%), *Cenchrus caliculatus* (11%), *Chloris gayana** (15, 11%), *Chrysopogon fallax* (11%), *Cyperus enervis* (1, 11%), *Cyperus fulvus* (11%), *Cyperus subulatus* (11%), *Dichanthium sericeum* (11%), *Digitaria breviglumis* (5, 11%), *Digitaria brownii* (5, 11%), *Enneapogon polyphyllus* (4, 11%), *Eragrostis sororia* (11%), *Eriachne trisetia* (10, 11%), *Hyparrhenia filipendula* (11%), *Juncus polyanthemus* (1, 11%), *Paspalum dilatatum** (11%), *Paspalum scrobiculatum* (11%), *Setaria pumila* subsp. *pumila** (1, 11%), *Setaria sphacelata** (1, 11%), *Sporobolus pyramidalis** (5, 11%), *Urochloa subquadriflora** (11%)

FORBS: *Cyanthillium cinereum* (56%), *Gomphocarpus physocarpus** (56%), *Alphitonia excelsa* (44%), *Desmodium rhytidophyllum* (44%), *Dichondra repens* (1, 44%), *Emilia sonchifolia** (44%), *Phyllanthus virgatus* (44%), *Acacia disparrima* subsp. *disparrima* (33%), *Bidens pilosa** (33%), *Breynia oblongifolia* (33%), *Cheilanthes sieberi* (33%), *Chryscephalum apiculatum* (1, 33%), *Desmodium varians* (5, 33%), *Dianella longifolia* (33%), *Dianella revoluta* (33%), *Eremophila debilis* (33%), *Lantana camara** (33%), *Lobelia purpurascens* (1, 33%), *Lomandra longifolia* (2, 33%), *Opuntia stricta** (33%), *Acacia glaucocarpa* (1, 22%), *Acacia leiocalyx* (22%), *Desmodium brachypodium* (22%), *Desmodium gunnii* (22%), *Desmodium triflorum** (22%), *Eustrephus latifolius* (22%), *Flemingia parviflora* (22%), *Glycine clandestina* var. *sericea* (22%), *Glycine tabacina* (22%), *Hydrocotyle laxiflora* (22%), *Lomandra filiformis* (22%), *Lomandra multiflora* subsp. *multiflora* (22%), *Melaleuca nervosa* subsp. *nervosa* (3, 22%), *Mentha diemenica* (1, 22%), *Murdannia graminea* (2, 22%), *Opercularia diphylla* (22%), *Pomax umbellata* (2, 22%), *Pycnospora lutescens* (22%), *Rubus moluccanus* (22%), *Solanum stelligerum* (22%), *Tricoryne elatior* (22%), *Vittadinia dissecta* var. *hirta* (22%), *Wahlenbergia gracilis* (22%), *Acacia bidwillii* (11%), *Alternanthera nana* (11%), *Asparagus africanus** (11%), *Bacopa indet.* (11%), *Brunoniella acaulis* (11%), *Brunoniella australis* (11%), *Calotis cuneata* (1, 11%), *Calotis cuneifolia* (11%), *Cassinia laevis* (11%), *Chamaesyce hyssopifolia** (1, 11%), *Commelina lanceolata* (11%), *Corymbia clarksoniana* (11%), *Corymbia intermedia* (11%), *Crotalaria pallida* (11%), *Cyclophyllum coprosmodioides* var. *coprosmodioides* (11%), *Desmodium gangeticum* (11%), *Dianella longifolia* var. *longifolia* (11%), *Dianella rara* (11%), *Epaltis australis* (11%), *Eremophila indet.* (11%), *Eucalyptus melanophloia* (11%), *Eucalyptus tereticornis* (11%), *Euphorbia indet.* (11%), *Evolvulus alsinoides* (11%), *Exocarpos cupressiformis* (11%), *Ficus opposita* (11%), *Galactia tenuiflora* (11%), *Geitonoplesium cymosum* (11%), *Glossocardia bidens* (11%), *Glycine clandestina* (11%), *Glycine tomentella* (11%), *Gomphrena celosioides** (11%), *Goodenia bellidifolia* (11%), *Haloragis heterophylla* (11%), *Hardenbergia violacea* (11%), *Hybanthus enneaspermus* (1, 11%), *Hybanthus stellarioides* (11%), *Indigofera linifolia* (11%), *Iphigenia indica* (11%), *Jacksonia scoparia* (11%), *Jasminum simplicifolium* (11%), *Lespedeza juncea* (11%), *Leucopogon trichostylus* (11%), *Livistona decora* (11%), *Lomandra confertifolia* subsp. *pallida* (11%), *Lomandra hystrix* (11%), *Lophostemon suaveolens* (11%), *Macroptilium atropurpureum** (1, 11%), *Macroptilium lathyroides** (11%), *Maytenus bilocularis* (11%), *Melaleuca viridiflora* var. *viridiflora* (11%), *Opuntia stricta* var. *stricta* (11%), *Oxalis corniculata** (11%), *Passiflora aurantia* (11%), *Passiflora foetida** (11%), *Pimelea neoanglica* (11%), *Pittosporum viscidum* (11%), *Planchonia careya* (11%), *Plectranthus parviflorus* (11%), *Polygala linariifolia* (11%), *Pratia concolor* (5, 11%), *Psydrax odorata* (11%), *Pterocaulon sphacelatum* (11%), *Rhynchosia minima* (11%), *Rumex brownii* (1, 11%), *Sida hackettiana* (11%), *Sida rhombifolia** (11%), *Solanum americanum* (11%), *Solanum nemophilum* (11%), *Spermacoce brachystema* (11%), *Stackhousia viminea* (11%), *Stylosanthes indet.* (11%), *Tagetes minuta** (11%), *Velleia spathulata* (11%), *Verbena bonariensis** (1, 11%), *Verbena rigida** (11%), *Veronica plebeia* (11%), *Vigna lanceolata* var. *lanceolata* (11%), *Wahlenbergia indet.* (11%), *Zornia muriculata* (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 moluccana woodland on Quaternary alluvium

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 13,072 1,100 8%

Species recorded: Total: 157; woody: 25; ground: 143; Avg. spp./site: 54.8; std dev.: 17.9, 5 site(s)

Basal area: Avg./site: 15.6 m²/ha, range: 8.0 - 26 m²/ha, std. deviation: 7 m²/ha, 5 site(s)

Structural formation: Woodland: 80%; open-forest: 20%, 5 site(s)

Representative sites: 14024, 14570, 19853, 38247, 38251.

Stratum: T1

Height avg. = 24.2m, range 22-26m, 5 sites

Crown cover avg. = 39.0%, range 30.0-55.0%, 5 sites

Stem density/ha avg. = 147, range 60-280, 3 sites

Dominant species (relative cover, frequency): Eucalyptus moluccana (97, 100%), Eucalyptus tereticornis (4, 40%)

Frequent species (cover, frequency): Eucalyptus moluccana (39, 100%), Eucalyptus tereticornis (2, 40%), Eucalyptus crebra (2, 20%)

Stratum: T2

Height avg. = 10.4m, range 6-15m, 5 sites

Crown cover avg. = 3.2%, range 1.0-5.0%, 5 sites

Stem density/ha avg. = 67, range 20-140, 3 sites

Dominant species (relative cover, frequency): Lophostemon suaveolens (48, 60%), Eucalyptus moluccana (41, 100%), Eucalyptus crebra (38, 40%), Casuarina glauca (5, 40%)

Frequent species (cover, frequency): Eucalyptus moluccana (1, 100%), Lophostemon suaveolens (2, 60%), Casuarina glauca (40%), Eucalyptus crebra (1, 40%), Alphitonia excelsa (20%), Angophora woodsiana (20%), Corymbia tessellaris (20%), Eucalyptus exserta (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. = 12.2%, range 4.0-30.0%, 5 sites

Stem density/ha avg. = 193, range 80-360, 3 sites

Dominant species (relative cover, frequency): *Acacia leiocalyx* (47, 60%), *Lophostemon suaveolens* (29, 40%), *Eucalyptus moluccana* (21, 60%), *Acacia glaucocarpa* (10, 40%), *Alphitonia excelsa* (9, 40%)

Frequent species (cover, frequency): *Acacia leiocalyx* (4, 60%), *Eucalyptus moluccana* (1, 60%), *Acacia glaucocarpa* (1, 40%), *Alphitonia excelsa* (2, 40%), *Lophostemon suaveolens* (3, 40%), *Acacia concurrens* (1, 20%), *Acacia disparrima* subsp. *disparrima* (2, 20%), *Acacia falcata* (20%), *Acacia maidenii* (20%), *Angophora woodsiana* (20%), *Bursaria spinosa* subsp. *spinosa* (20%), *Casuarina glauca* (8, 20%), *Cyclophyllum coprosmoides* (20%), *Dodonaea triquetra* (11, 20%), *Eucalyptus crebra* (20%), *Lantana camara** (7, 20%), *Parsonia straminea* (20%), *Psydrax odorata* (4, 20%), *Senna x floribunda* (20%), *Sida rhombifolia** (7, 20%), *Streblus brunonianus* (20%), *Trema tomentosa* (20%)

Stratum: G

Height avg. = 0.5m, range 0.3-0.8m, 5 sites

PFC avg. = 44.4%, range 20-75%, 5 sites

Dominant species (relative cover, frequency): *Eremochloa bimaculata* (42, 40%), *Imperata cylindrica* (26, 60%), *Themeda triandra* (14, 40%), *Bothriochloa decipiens* (7, 40%), *Aristida gracilipes* (7, 40%)

Frequent species (cover, frequency): GRAMINOIDS: *Cymbopogon refractus* (5, 100%), *Gahnia aspera* (1, 80%), *Paspalidium distans* (1, 80%), *Imperata cylindrica* (9, 60%), *Aristida calycina* (3, 40%), *Aristida gracilipes* (5, 40%), *Arundinella nepalensis* (1, 40%), *Bothriochloa decipiens* (6, 40%), *Chloris divaricata* (3, 40%), *Chloris gayana** (3, 40%), *Cyperus gracilis* (1, 40%), *Digitaria parviflora* (4, 40%), *Digitaria ramularis* (4, 40%), *Eragrostis brownii* (2, 40%), *Eragrostis spartinoides* (40%), *Eremochloa bimaculata* (19, 40%), *Melinis repens** (2, 40%), *Panicum simile* (4, 40%), *Themeda triandra* (9, 40%), *Aristida ramosa* (4, 20%), *Bothriochloa decipiens* var. *decipiens* (20%), *Capillipedium spicigerum* (20%), *Chloris ventricosa* (20%), *Chrysopogon sylvaticus* (2, 20%), *Cyperus enervis* (20%), *Cyperus fulvus* (20%), *Dichanthium tenue* (4, 20%), *Enteropogon unispiceus* (20%), *Entolasia* indet. (20%), *Eragrostis curvula** (5, 20%), *Fimbristylis dichotoma* (20%), *Heteropogon contortus* (20%), *Leptochloa decipiens* subsp. *peacockii* (13, 20%), *Megathyrsus maximus** (20%), *Oplismenus aemulus* (20%), *Oplismenus imbecillis* (2, 20%), *Ottochloa gracillima* (5, 20%), *Panicum effusum* (1, 20%), *Sarga leiocladum* (10, 20%), *Scleria brownii* (20%), *Scleria mackaviensis* (20%), *Scleria sphacelata* (20%), *Setaria pumila* subsp. *pumila** (3, 20%), *Sorghum x alnum** (20%), *Sporobolus creber* (20%), *Sporobolus elongatus* (20%), *Sporobolus pyramidalis** (20%)

FORBS: *Brunoniella australis* (100%), *Eremophila debilis* (80%), *Eustrephus latifolius* (80%), *Lomandra longifolia* (1, 80%), *Desmodium gunnii* (60%), *Dichondra repens* (2, 60%), *Lobelia purpurascens* (60%), *Alphitonia excelsa* (40%), *Bidens pilosa** (40%), *Brenya oblongifolia* (40%), *Cheilanthes sieberi* (1, 40%), *Clematicissus opaca* (40%), *Crassocephalum crepidioides** (40%), *Cyanthillium cinereum* (40%), *Cyclophyllum coprosmoides* var. *coprosmoides* (40%), *Dianella revoluta* (1, 40%), *Geitonoplesium cymosum* (40%), *Glossocardia bidens* (40%), *Glycine clandestina* (40%), *Glycine tabacina* (40%), *Jasminum simplicifolium* subsp. *australiense* (40%), *Jasminum suavissimum* (1, 40%), *Lantana camara** (40%), *Lomandra multiflora* (40%), *Maytenus bilocularis* (2, 40%), *Parsonia straminea* (40%), *Senna barclayana* (40%), *Sida cordifolia** (40%), *Sonchus oleraceus** (40%), *Vittadinia dissecta* var. *hirta* (40%), *Acacia falcata* (20%), *Acacia maidenii* (20%), *Ageratum houstonianum** (20%), *Aristolochia pubera* (20%), *Asparagus africanus** (20%), *Brachyscome microcarpa* (20%), *Cassinia laevis* (20%), *Casuarina glauca* (2, 20%), *Cheilanthes distans* (20%), *Choretrum candollei* (20%), *Chrysocephalum apiculatum* (20%), *Cirsium vulgare** (20%), *Conyza bonariensis** (20%), *Cyclosporum leptophyllum** (20%), *Denhamia pittosporoides* (20%), *Desmodium brachypodium* (20%), *Dianella caerulea* (20%), *Dianella caerulea* var. *vannata* (20%), *Dianella* indet. (20%), *Dianella rara* (20%), *Dodonaea viscosa* subsp. *cuneata* (20%), *Einadia hastata* (20%), *Emilia sonchifolia** (20%), *Eucalyptus crebra* (20%), *Eucalyptus exserta* (20%), *Eucalyptus moluccana* (20%), *Flindersia collina* (20%), *Galactia tenuiflora* (20%), *Gomphocarpus physocarpus** (20%), *Goodenia bellidifolia* (20%), *Grewia latifolia* (20%), *Hardenbergia violacea* (20%), *Hypochaeris radicata** (20%), *Ipomoea cairica** (20%), *Jasminum simplicifolium* (20%), *Lantana montevidensis** (20%), *Leucopogon trichostylus* (20%), *Lilium formosanum** (20%), *Livistona decora* (20%), *Lomandra confertifolia* subsp. *pallida* (20%), *Lomandra filiformis* (20%), *Lomandra multiflora* subsp. *multiflora* (20%), *Maclura cochinchinensis* (20%), *Oxalis corniculata** (20%), *Oxalis perennans* (20%), *Passiflora edulis** (20%), *Passiflora suberosa** (20%), *Passiflora subpeltata** (20%), *Phyllanthus virgatus* (20%), *Phytolacca octandra** (20%), *Pittosporum revolutum* (20%), *Plantago lanceolata** (20%), *Plectranthus parviflorus* (20%), *Pogonolobus reticulatus* (20%), *Poranthera microphylla* (20%), *Psydrax odorata* (2, 20%), *Ricinus communis** (20%), *Rostellularia obtusa* (2, 20%), *Senecio pinnatifolius* (20%), *Sida corrugata* (20%), *Solanum mauritianum** (20%), *Solanum nemophilum* (20%), *Solanum nigrum* (20%), *Solanum seafortianum** (20%), *Sonchus asper** (20%), *Veronica plebeia* (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 bancroftii open-woodland on coastal alluvium

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 215 51 24%

Species recorded: Total: 64; woody: 20; ground: 46; Avg. spp./site: 32.0; std dev.: 7.3, 3 site(s)

Basal area: Avg./site: 14.7 m²/ha, range: 9.0 - 24 m²/ha, std. deviation: 7 m²/ha, 3 site(s)

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

Representative sites: 16452, 16508, 16513.

Stratum: T1

Height avg. = 9.3m, range 7-11m, 3 sites

Crown cover avg. = 36.0%, range 13.0-80.0%, 3 sites

Stem density/ha avg. = 833, range 80-2180, 3 sites

Dominant species (relative cover, frequency): Eucalyptus bancroftii (62, 100%), Melaleuca quinquenervia (38, 100%)

Frequent species (cover, frequency): Eucalyptus bancroftii (11, 100%), Melaleuca quinquenervia (25, 100%)

Stratum: S1

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

Crown cover avg. = 12.3%, range 2.0-30.0%, 3 sites

Stem density/ha avg. = 173, range 60-320, 3 sites

Dominant species (relative cover, frequency): Hakea actites (65, 33%), Melaleuca sieberi (55, 33%), Eucalyptus bancroftii (33, 67%), Acacia leiocalyx (28, 67%), Baccharis halimifolia (26, 33%)*

Frequent species (cover, frequency): Melaleuca quinquenervia (1, 100%), Acacia leiocalyx (1, 67%), Eucalyptus bancroftii (1, 67%), Baccharis halimifolia (8, 33%), Glochidion ferdinandi (1, 33%), Hakea actites (20, 33%), Melaleuca sieberi (3, 33%), Persoonia virgata (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

Stratum: S2

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

Crown cover avg. = 41.7%, range 25.0-70.0%, 3 sites

Dominant species (relative cover, frequency): *Baccharis halimifolia** (30, 67%), *Banksia robur* (29, 100%), *Pultenaea paleacea* (26, 100%), *Hakea actites* (16, 67%), *Persoonia stradbokensis* (8, 33%)

Frequent species (cover, frequency): *Gahnia aspera* (1, 33%), *Banksia robur* (12, 100%), *Leptospermum polygalifolium* (1, 100%), *Pultenaea paleacea* (15, 100%), *Baccharis halimifolia** (10, 67%), *Hakea actites* (5, 67%), *Melastoma malabathricum* subsp. *malabathricum* (3, 67%), *Pimelea linifolia* (3, 67%), *Banksia oblongifolia* (1, 33%), *Leptospermum juniperinum* (1, 33%), *Leptospermum speciosum* (1, 33%), *Leucopogon indet.* (1, 33%), *Melaleuca pachyphylla* (1, 33%), *Melaleuca sieberi* (1, 33%), *Persoonia stradbokensis* (2, 33%)

Stratum: G

Height avg. = 0.9m, range 0.8-1m, 3 sites

PFC avg. = 88.3%, range 75-95%, 3 sites

Dominant species (relative cover, frequency): *Schoenus brevifolius* (71, 33%), *Xanthorrhoea fulva* (35, 67%), *Xanthorrhoea johnsonii* (21, 33%), *Sporadanthus interruptus* (11, 33%), *Pteridium esculentum* (11, 33%)

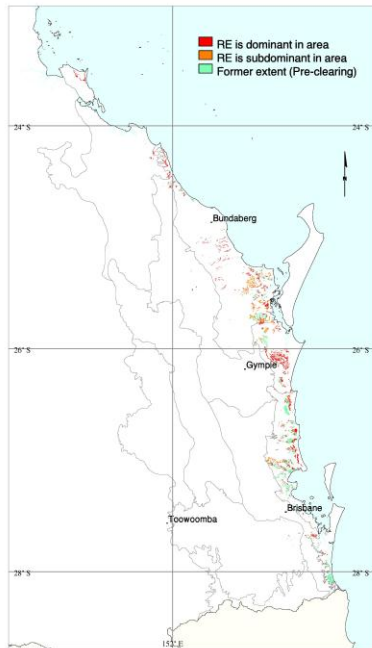
Frequent species (cover, frequency): GRAMINOIDS: *Baumea articulata* (5, 67%), *Entolasia stricta* (2, 67%), *Imperata cylindrica* (1, 67%), *Sacciolepis indica* (2, 67%), *Setaria sphacelata* var. *sericea* (6, 67%), *Themeda triandra* (3, 67%), *Andropogon virginicus** (1, 33%), *Eragrostis spartinoides* (1, 33%), *Fimbristylis cinnamometorum* (1, 33%), *Lepironia articulata* (2, 33%), *Panicum effusum* (1, 33%), *Paspalum paniculatum** (1, 33%), *Poaceae indet.* (1, 33%), *Schoenus brevifolius* (50, 33%), *Scleria sphacelata* (10, 33%)

FORBS: *Leptocarpus tenax* (6, 100%), *Grevillea leiophylla* (1, 67%), *Hibbertia stricta* (1, 67%), *Lindsaea incisa* (3, 67%), *Pinus elliottii** (1, 67%), *Sporadanthus caudatus* (5, 67%), *Xanthorrhoea fulva* (35, 67%), *Banksia integrifolia* (1, 33%), *Billardiera scandens* (1, 33%), *Burchardia umbellata* (1, 33%), *Cassytha glabella* (5, 33%), *Dianella caerulea* (1, 33%), *Drosera lanata* (1, 33%), *Epacris microphylla* (1, 33%), *Gompholobium pinnatum* (1, 33%), *Gonocarpus micranthus* subsp. *ramosissimus* (1, 33%), *Hakea florulenta* (1, 33%), *Hibbertia vestita* (3, 33%), *Leptospermum juniperinum* (1, 33%), *Lindsaea ensifolia* subsp. *ensifolia* (1, 33%), *Lobelia purpurascens* (1, 33%), *Lomandra longifolia* (1, 33%), *Melaleuca thymifolia* (1, 33%), *Persoonia sericea* (1, 33%), *Persoonia stradbokensis* (1, 33%), *Pteridium esculentum* (10, 33%), *Selaginella uliginosa* (1, 33%), *Sporadanthus interruptus* (10, 33%), *Tricoryne elatior* (1, 33%), *Velleia spathulata* (1, 33%), *Xanthorrhoea johnsonii* (15, 33%)

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

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

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

Melaleuca quinquenervia open-forest on coastal alluvium

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 45,098 20,106 45%

Species recorded: Total: 163; woody: 33; ground: 150; Avg. spp./site: 20.2; std dev.: 9.5, 17 site(s)

Basal area: Avg./site: 41.1 m²/ha, range: 7.0 - 86 m²/ha, std. deviation: 19 m²/ha, 17 site(s)

Structural formation: Open-forest: 41%; woodland: 35%; open-woodland: 12%; closed-forest: 12%, 17 site(s)

Representative sites: 14093, 16473, 16475, 19828, 19843, 19854, 19863, 27470, 27490, 29828, 29829, 29831, 29833, 29834, 29836, 31484, 39344.

Stratum: E

Height avg. = 28.0m, 1 site

Crown cover avg. = 2.0%, 1 site

Frequent species (cover, frequency): Eucalyptus tereticornis (2, 6%)

Stratum: T1

Height avg. = 15.6m, range 11-22m, 17 sites

Crown cover avg. = 54.8%, range 8.0-96.0%, 17 sites

Stem density/ha avg. = 775, range 420-1400, 4 sites

Dominant species (relative cover, frequency): Melaleuca quinquenervia (94, 100%), Lophostemon suaveolens (15, 35%)

Frequent species (cover, frequency): Melaleuca quinquenervia (51, 100%), Lophostemon suaveolens (9, 35%), Eucalyptus tereticornis (1, 18%)

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. = 9.0m, range 4-13m, 13 sites

Crown cover avg. = 15.0%, range 0.0-60.0%, 13 sites

Stem density/ha avg. = 500, range 40-1400, 5 sites

Dominant species (relative cover, frequency): Melaleuca quinquenervia (70, 65%), Lophostemon suaveolens (58, 41%)

Frequent species (cover, frequency): Melaleuca quinquenervia (10, 65%), Lophostemon suaveolens (10, 41%), Eucalyptus tereticornis (2, 12%), Glochidion sumatranum (3, 12%), Melaleuca linariifolia (1, 12%), Parsonsia straminea (1, 12%), Cinnamomum camphora (1, 6%), Elaeocarpus obovatus (6%), Melicope elleryana (6%)*

Stratum: S1

Height avg. = 2.9m, range 1-7m, 15 sites

Crown cover avg. = 8.3%, range 1.0-20.0%, 15 sites

Stem density/ha avg. = 1510, range 140-2800, 4 sites

Dominant species (relative cover, frequency): Melaleuca quinquenervia (62, 35%), Glochidion sumatranum (41, 29%)

Frequent species (cover, frequency): Gahnia sieberiana (1, 6%), Melaleuca quinquenervia (5, 35%), Glochidion sumatranum (3, 29%), Hakea actites (5, 18%), Lophostemon suaveolens (1, 18%), Melaleuca linariifolia (7, 18%), Acacia leiocalyx (2, 12%), Baccharis halimifolia (4, 12%), Banksia robur (1, 12%), Glochidion ferdinandi (1, 12%), Lantana camara* (1, 12%), Acacia disparrima subsp. disparrima (2, 6%), Acacia melanoxylon (6%), Alphitonia excelsa (2, 6%), Banksia oblongifolia (6%), Citrus x limon* (6%), Cyathea cooperi (6%), Eucalyptus exserta (1, 6%), Ficus rubiginosa (6%), Hibiscus diversifolius (1, 6%), Jagera pseudorhus (6%), Leptospermum polygalifolium (6%), Melaleuca nodosa (2, 6%), Melaleuca pachyphylla (8, 6%), Schefflera actinophylla (6%), Schinus terebinthifolius* (6%), Solanum mauritianum* (6%), Trema tomentosa (6%)*

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

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

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

Stratum: G

Height avg. = 0.9m, range 0.3-1.75m, 17 sites

PFC avg. = 74.1%, range 9-100%, 17 sites

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): *Blechnum indicum* (31, 82%), *Baloskion pallens* (25, 24%), *Leersia hexandra* (23, 47%), *Persicaria strigosa* (16, 41%), *Baumea rubiginosa* (16, 35%)

Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (8, 47%), *Leersia hexandra* (20, 47%), *Baumea rubiginosa* (14, 35%), *Baumea articulata* (1, 29%), *Lepironia articulata* (12, 29%), *Paspalum scrobiculatum* (29%), *Entolasia marginata* (7, 24%), *Chorizandra cymbaria* (18%), *Cyperus trinervis* (18%), *Phragmites australis* (12, 18%), *Sacciolepis indica* (18%), *Baumea juncea* (12%), *Oplismenus aemulus* (12%), *Panicum effusum* (6, 12%), *Paspalum conjugatum** (32, 12%), *Alloteropsis semialata* (1, 6%), *Arundinella nepalensis* (1, 6%), *Baumea* indet. (8, 6%), *Baumea teretifolia* (6%), *Carex appressa* (6%), *Carex* indet. (6%), *Carex maculata* (2, 6%), *Cyperus exaltatus* (3, 6%), *Cyperus haspan* (6%), *Cyperus lucidus* (8, 6%), *Cyperus pilosus* (6%), *Cyperus prolifer** (6%), *Echinochloa dietrichiana* (6%), *Eleocharis philippinensis* (6%), *Entolasia stricta* (1, 6%), *Eragrostis spartinoides* (1, 6%), *Eremochloa bimaculata* (6%), *Eriachne glabrata* (6%), *Fimbristylis cinnamometorum* (1, 6%), *Fimbristylis nutans* (6%), *Gahnia clarkei* (1, 6%), *Gahnia sieberiana* (10, 6%), *Hemarthria uncinata* (1, 6%), *Ischaemum australe* (1, 6%), *Ischaemum australe* var. *australe* (1, 6%), *Lepidosperma laterale* (6%), *Microlaena stipoides* (6%), *Panicum paludosum* (6%), *Paspalidium distans* (6%), *Ptilothrix deusta* (6%), *Rhynchospora corymbosa* (6%), *Scleria sphacelata* (6%), *Setaria sphacelata** (6%), *Themeda triandra* (1, 6%)

FORBS: *Blechnum indicum* (26, 82%), *Lygodium microphyllum* (1, 47%), *Persicaria strigosa* (10, 41%), *Banksia robur* (6, 29%), *Hypolepis muelleri* (3, 29%), *Melastoma malabathricum* subsp. *malabathricum* (29%), *Parsonsia straminea* (29%), *Baccharis halimifolia** (24%), *Baloskion pallens* (25, 24%), *Centella asiatica* (24%), *Eclipta prostrata* (24%), *Ageratum houstonianum** (1, 18%), *Philydrum lanuginosum* (18%), *Sporadanthus caudatus* (18%), *Trema tomentosa* (18%), *Ageratina adenophora** (12%), *Alphitonia excelsa* (12%), *Eriocaulon australe* (12%), *Eucalyptus tereticornis* (1, 12%), *Glochidion sumatranum* (5, 12%), *Leptospermum juniperinum* (12%), *Ludwigia octovalvis* (12%), *Melaleuca pachyphylla* (12%), *Ottelia alismoides* (12%), *Tricoryne elatior* (2, 12%), *Triglochin procerum* (12%), *Typha domingensis* (4, 12%), *Typha orientalis* (12%), *Velleia spathulata* (12%), *Villarsia exaltata* (12%), *Acacia maidenii* (6%), *Acacia melanoxylon* (1, 6%), *Acmella grandiflora* (6%), *Acrostichum speciosum* (6%), *Ageratina riparia** (6%), *Alternanthera denticulata* (6%), *Asparagus aethiopicus* cv. *Sprengeri** (6%), *Bidens pilosa** (6%), *Cassytha pubescens* (6%), *Chamaecrista rotundifolia* var. *rotundifolia** (6%), *Christella dentata* (6%), *Commelina diffusa* (6%), *Crassocephalum crepidioides** (6%), *Cyanthillium cinereum* (6%), *Cyclosorus interruptus* (6, 6%), *Davallia pyxidata* (6%), *Dianella brevipedunculata* (6%), *Dianella caerulea* var. *caerulea* (1, 6%), *Dianella longifolia* (6%), *Dianella longifolia* var. *stenophylla* (6%), *Elatine gratioloides* (6%), *Erechtites valerianifolius* (6%), *Eucalyptus pilularis* (6%), *Ficus rubiginosa* (6%), *Geitonoplesium cymosum* (6%), *Gomphocarpus physocarpus** (6%), *Gompholobium pinnatum* (6%), *Gonocarpus chinensis* subsp. *verrucosus* (6%), *Hakea florulenta* (1, 6%), *Hibbertia scandens* (6%), *Hibbertia stricta* (6%), *Hibiscus diversifolius* (6%), *Hydrocotyle acutiloba* (6%), *Hygrophila angustifolia* (6%), *Lantana camara** (6%), *Limnophila aromatica* (6%), *Linaria vulgaris* (6%), *Lomandra longifolia* (1, 6%), *Lophostemon suaveolens* (6%), *Ludwigia peploides* (6%), *Ludwigia peploides* subsp. *montevidensis* (6%), *Macaranga tanarius* (6%), *Marsilea mutica* (6%), *Melaleuca linariifolia* (6%), *Melaleuca sieberi* (6%), *Melaleuca thymifolia* (42, 6%), *Melicope elleryana* (6%), *Myriophyllum* indet. (6%), *Najas tenuifolia* (6%), *Nymphoides* indet. (6%), *Ottelia ovalifolia* (6%), *Passiflora foetida** (6%), *Passiflora suberosa** (6%), *Patersonia glabrata* (6%), *Persicaria dichotoma* (30, 6%), *Persicaria* indet. (6%), *Phyllanthus virgatus* (6%), *Potamogeton tricarlinatus* (2, 6%), *Pteridium esculentum* (10, 6%), *Ruellia tweediana** (6%), *Schefflera actinophylla* (6%), *Schinus terebinthifolius** (6%), *Sida rhombifolia** (6%), *Solanum mauritianum** (6%), *Solanum pseudocapsicum** (6%), *Spirodela* indet. (1, 6%), *Stephania japonica* (6%), *Vigna luteola** (6%), *Westringia eremicola* (6%), *Xanthorrhoea fulva* (6%), *Xyris complanata* (6%)

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

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

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

Melaleuca quinquenervia, Casuarina glauca +/- Eucalyptus tereticornis open-forest on lowest river terraces

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 14,195 2,721 19%

Species recorded: Total: 143; woody: 46; ground: 109; Avg. spp./site: 33.2; std dev.: 12.9, 8 site(s)

Basal area: Avg./site: 33.4 m²/ha, range: 19.0 - 49 m²/ha, std. deviation: 10 m²/ha, 8 site(s)

Structural formation: Open-forest: 63%; woodland: 25%; open-woodland: 13%, 8 site(s)

Representative sites: 14034, 14037, 16428, 16501, 16519, 19846, 19866, 29954.

Stratum: T1

Height avg. = 18.3m, range 13-22m, 8 sites

Crown cover avg. = 45.6%, range 10.0-75.0%, 8 sites

Stem density/ha avg. = 1045, range 20-3000, 4 sites

Dominant species (relative cover, frequency): Melaleuca quinquenervia (76, 88%), Eucalyptus tereticornis (40, 50%), Casuarina glauca (15, 75%)

Frequent species (cover, frequency): Melaleuca quinquenervia (43, 88%), Casuarina glauca (11, 75%), Eucalyptus tereticornis (15, 50%), Corymbia tessellaris (13%), Eucalyptus exserta (3, 13%), Eucalyptus siderophloia (9, 13%), Glochidion sumatranum (2, 13%)

Stratum: T2

Height avg. = 9.1m, range 6-14m, 7 sites

Crown cover avg. = 21.7%, range 5.0-75.0%, 7 sites

Stem density/ha avg. = 453, range 320-700, 3 sites

Dominant species (relative cover, frequency): Melaleuca quinquenervia (61, 50%), Casuarina glauca (27, 63%), Lophostemon suaveolens (16, 25%), Parsonsia straminea (13, 25%)

Frequent species (cover, frequency): Casuarina glauca (4, 63%), Melaleuca quinquenervia (10, 50%), Lophostemon suaveolens (1, 25%), Parsonsia straminea (1, 25%), Corymbia intermedia (13%), Corymbia tessellaris (1, 13%), Eucalyptus siderophloia (5, 13%), Eucalyptus tereticornis (2, 13%), Ficus rubiginosa (13%), Glochidion sumatranum (2, 13%), Schefflera actinophylla (1, 13%), Timonius timon (2, 13%)

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

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

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

Stratum: S1

Height avg. = 2.1m, range 1.5-3m, 7 sites

Crown cover avg. = 12.9%, range 1.0-33.0%, 7 sites

Stem density/ha avg. = 2560, range 80-9000, 4 sites

Dominant species (relative cover, frequency): *Lantana camara** (40, 50%), *Casuarina glauca* (36, 38%), *Baccharis halimifolia** (22, 25%), *Glochidion ferdinandi* (21, 38%), *Melaleuca quinquenervia* (19, 25%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (1, 50%), *Lantana camara** (2, 50%), *Casuarina glauca* (10, 38%), *Glochidion ferdinandi* (1, 38%), *Schinus terebinthifolius** (1, 38%), *Baccharis halimifolia** (1, 25%), *Cupaniopsis anacardioides* (3, 25%), *Jagera pseudorhus* (25%), *Melaleuca quinquenervia* (4, 25%), *Acacia leiocalyx* (13%), *Acacia melanoxylon* (1, 13%), *Alectryon tomentosus* (13%), *Allocasuarina torulosa* (13%), *Alphitonia excelsa* (13%), *Backhousia myrtifolia* (1, 13%), *Buckinghamia celsissima* (13%), *Clematicissus opaca* (13%), *Corymbia tessellaris* (13%), *Corymbia torelliana* (1, 13%), *Cryptocarya hypospodia* (13%), *Cryptocarya triplinervis* (1, 13%), *Cyclophyllum coprosmoides* (13%), *Dianella caerulea* (1, 13%), *Dodonaea lanceolata* (13%), *Elaeocarpus obovatus* (1, 13%), *Eucalyptus siderophloia* (4, 13%), *Eucalyptus tereticornis* (13%), *Ficus fraseri* (13%), *Gomphocarpus physocarpus** (1, 13%), *Guioa semiglaucula* (13%), *Hypolepis muelleri* (15, 13%), *Melaleuca nodosa* (13%), *Melaleuca salicina* (13%), *Melodinus australis* (13%), *Ochna serrulata** (13%), *Scolopia braunii* (13%), *Senna pendula* (13%), *Senna pendula* var. *glabrata** (1, 13%)

Stratum: G

Height avg. = 0.6m, range 0.25-1m, 8 sites

PFC avg. = 58.9%, range 15-90%, 8 sites

Stem density/ha avg. = 500, 1 site

Dominant species (relative cover, frequency): *Cynodon dactylon* (44, 25%), *Phragmites australis* (41, 25%), *Ottochloa gracillima* (32, 38%), *Paspalum conjugatum** (22, 25%), *Cyperus lucidus* (12, 25%)

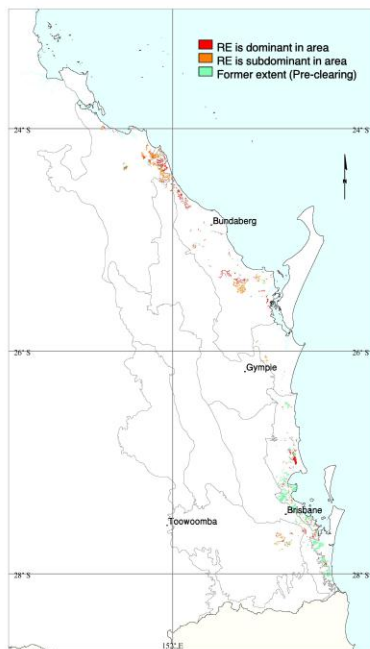
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (10, 63%), *Paspalum scrobiculatum* (8, 50%), *Cyperus polystachyos* (1, 38%), *Ottochloa gracillima* (17, 38%), *Cynodon dactylon* (9, 25%), *Cyperus lucidus* (10, 25%), *Oplismenus aemulus* (1, 25%), *Paspalidium distans* (8, 25%), *Paspalum conjugatum** (18, 25%), *Phragmites australis* (36, 25%), *Baumea articulata* (8, 13%), *Carex appressa* (1, 13%), *Carex maculata* (13%), *Cyperus trinervis* (13%), *Digitaria didactyla** (25, 13%), *Digitaria parviflora* (13%), *Enteropogon unispiceus* (13%), *Eragrostis spartinoideis* (5, 13%), *Gahnia clarkei* (5, 13%), *Hemarthria uncinata* (13%), *Leersia hexandra* (13%), *Leptochloa decipiens* (13%), *Sacciolepis indica* (13%), *Setaria sphacelata** (13%), *Sporobolus virginicus* (8, 13%)

FORBS: *Parsonsia straminea* (1, 63%), *Blechnum indicum* (1, 50%), *Passiflora suberosa** (1, 50%), *Ageratum houstonianum** (1, 38%), *Centella asiatica* (1, 38%), *Emilia sonchifolia** (38%), *Ipomoea cairica** (2, 38%), *Lantana camara** (38%), *Pteridium esculentum* (38%), *Baccharis halimifolia** (1, 25%), *Christella dentata* (1, 25%), *Cirsium vulgare** (25%), *Commelina diffusa* (4, 25%), *Crassocephalum crepidioides** (25%), *Dianella caerulea* (4, 25%), *Einadia hastata* (4, 25%), *Erechtites valerianifolius* (25%), *Geitonoplesium cymosum* (25%), *Glochidion ferdinandi* (25%), *Leptospermum polygalifolium* (25%), *Lygodium microphyllum* (25%), *Ochna serrulata** (25%), *Oxalis* indet. (25%), *Viola hederacea* (2, 25%), *Acrostichum aureum* (25, 13%), *Acrostichum speciosum* (13%), *Adiantum aethiopicum* (13%), *Ageratina adenophora** (13%), *Ageratina riparia** (13%), *Alternanthera denticulata* (13%), *Ardisia crenata** (13%), *Asclepias curassavica** (13%), *Asparagus aethiopicus* cv. *Sprengeri** (10, 13%), *Asparagus africanus** (1, 13%), *Aster subulatus** (13%), *Breynia oblongifolia* (13%), *Casuarina glauca* (13%), *Cheilanthes tenuifolia* (13%), *Conyza bonariensis** (1, 13%), *Corymbia tessellaris* (13%), *Cyclosorus interruptus* (2, 13%), *Cymbidium madidum* (13%), *Desmodium rhytidophyllum* (1, 13%), *Eclipta prostrata* (13%), *Enydra fluctuans* (2, 13%), *Epaltes australis* (2, 13%), *Eucalyptus tereticornis* (13%), *Eustrephus latifolius* (13%), *Ficus fraseri* (13%), *Ficus rubiginosa* (13%), *Flagellaria indica* (13%), *Flemingia parviflora* (13%), *Glochidion sumatranum* (13%), *Gloriosa superba** (13%), *Gomphocarpus fruticosus** (13%), *Hydrocotyle tripartita* (1, 13%), *Lepyrodia* indet. (1, 13%), *Lobelia alata* (1, 13%), *Lobelia purpurascens* (2, 13%), *Maclura cochinchinensis* (13%), *Mallotus philippensis* (13%), *Melicope elleryana* (13%), *Myoporum acuminatum* (5, 13%), *Myrsine porosa* (13%), *Myrsine variabilis* (13%), *Neoachmandra cunninghamii* (13%), *Opuntia stricta** (13%), *Oxalis corniculata** (13%), *Persicaria strigosa* (3, 13%), *Polymeria calycina* (13%), *Psilotum nudum* (1, 13%), *Rhaphiolepis indica** (13%), *Smilax australis* (1, 13%), *Solanum americanum* (13%), *Solanum chrysotrichum** (13%), *Solanum mauritianum** (13%), *Solanum nigrum* (13%), *Solanum seafortianum** (13%), *Sonchus oleraceus** (1, 13%), *Sphagneticola trilobata** (17, 13%), *Stephania japonica* (13%), *Syagrus romanzoffiana** (13%), *Vigna luteola** (13%), *Youngia japonica* (2, 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

Melaleuca quinquenervia, Eucalyptus tereticornis, Lophostemon suaveolens open-forest on coastal alluvial plains

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 32,148 11,994 37%

Species recorded: Total: 143; woody: 33; ground: 118; Avg. spp./site: 33.3; std dev.: 10.5, 8 site(s)

Basal area: Avg./site: 29.8 m²/ha, range: 22.0 - 38 m²/ha, std. deviation: 6 m²/ha, 8 site(s)

Structural formation: Open-forest: 63%; woodland: 25%; closed-forest: 13%, 8 site(s)

Representative sites: 14026, 14101, 15485, 16496, 19815, 19887, 27454, 29827.

Stratum: E

Height avg. = 26.8m, range 20-32m, 4 sites

Crown cover avg. = 10.0%, range 5.0-20.0%, 4 sites

Stem density/ha avg. = 80, range 40-120, 2 sites

Dominant species (relative cover, frequency): Eucalyptus tereticornis (100, 50%)

Frequent species (cover, frequency): Eucalyptus tereticornis (5, 50%)

Stratum: T1

Height avg. = 15.3m, range 12-19m, 8 sites

Crown cover avg. = 60.9%, range 20.0-82.0%, 8 sites

Stem density/ha avg. = 1136, range 867-1360, 3 sites

Dominant species (relative cover, frequency): Melaleuca quinquenervia (67, 100%), Lophostemon suaveolens (22, 63%), Eucalyptus tereticornis (11, 63%), Corymbia intermedia (3, 38%)

Frequent species (cover, frequency): Melaleuca quinquenervia (40, 100%), Eucalyptus tereticornis (6, 63%), Lophostemon suaveolens (12, 63%), Corymbia intermedia (2, 38%), Allocasuarina littoralis (8, 13%), Alphitonia excelsa (8, 13%), Banksia oblongifolia (13%), Eucalyptus latisinensis (1, 13%), Eucalyptus microcorys (2, 13%), Glochidion ferdinandi (8, 13%), Glochidion sumatranum (24, 13%), Lophostemon confertus (16, 13%), Melaleuca salicina (13%), Parsonsia straminea (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: T2

Height avg. = 7.8m, range 6-9m, 6 sites

Crown cover avg. = 13.2%, range 1.0-50.0%, 6 sites

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

Dominant species (relative cover, frequency): Lophostemon suaveolens (69, 63%), Melaleuca quinquenervia (26, 50%), Alphonidia excelsa (10, 25%)

Frequent species (cover, frequency): Lophostemon suaveolens (9, 63%), Melaleuca quinquenervia (6, 50%), Alphonidia excelsa (5, 25%), Acacia disparrima subsp. disparrima (1, 13%), Allocasuarina littoralis (35, 13%), Corymbia intermedia (13%), Glochidion sumatranum (6, 13%)

Stratum: S1

Height avg. = 2.3m, range 1-4.5m, 8 sites

Crown cover avg. = 8.9%, range 1.0-30.0%, 8 sites

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

Dominant species (relative cover, frequency): Lophostemon suaveolens (58, 25%), Lantana camara (50, 38%), Acacia disparrima subsp. disparrima (31, 38%), Leptospermum polygalifolium (15, 25%), Alphonidia excelsa (8, 38%)*

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (3, 38%), Acacia leiocalyx (38%), Alphonidia excelsa (38%), Lantana camara (11, 38%), Leptospermum polygalifolium (25%), Lophostemon suaveolens (6, 25%), Acacia leptocarpa (13%), Acacia melanoxylon (13%), Allocasuarina littoralis (13%), Commersonia bartramia (13%), Corymbia intermedia (13%), Cupaniopsis anacardioides (13%), Cyclophyllum coprosmoides (13%), Eucalyptus exserta (13%), Glochidion sumatranum (1, 13%), Grevillea banksii (1, 13%), Livistona decora (13%), Melaleuca linariifolia (9, 13%), Melaleuca quinquenervia (2, 13%), Passiflora subpeltata* (3, 13%), Polyscias elegans (1, 13%), Schinus terebinthifolius* (1, 13%), Senna pendula var. glabrata* (13%), Sida rhombifolia* (1, 13%), Solanum mauritianum* (1, 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: G

Height avg. = 0.5m, range 0.3-0.7m, 8 sites

PFC avg. = 58.4%, range 15-82%, 8 sites

Dominant species (relative cover, frequency): *Imperata cylindrica* (42, 100%), *Ottochloa gracillima* (20, 50%), *Passiflora subpeltata** (20, 25%), *Themeda triandra* (12, 63%), *Capillipedium spicigerum* (7, 25%)

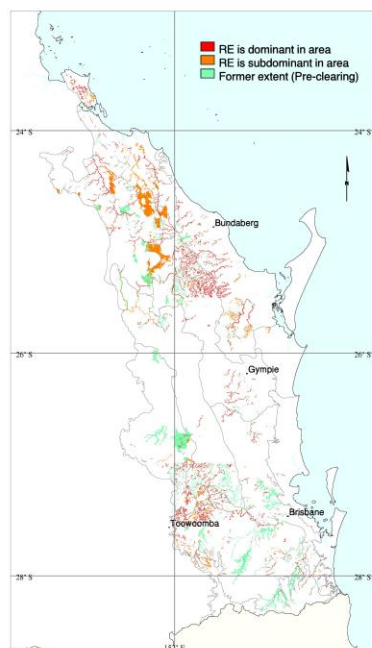
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (23, 100%), *Themeda triandra* (10, 63%), *Ottochloa gracillima* (13, 50%), *Digitaria parviflora* (38%), *Entolasia stricta* (38%), *Baumea articulata* (1, 25%), *Capillipedium spicigerum* (5, 25%), *Cyperus polystachyos* (25%), *Fimbristylis dichotoma* (25%), *Oplismenus aemulus* (25%), *Paspalidium distans* (25%), *Sacciolepis indica* (25%), *Abildgaardia vaginata* (1, 13%), *Alloteropsis semialata* (13%), *Baumea juncea* (13%), *Baumea rubiginosa* (7, 13%), *Chloris gayana** (13%), *Cynodon dactylon* (13%), *Cyperus difformis* (13%), *Cyperus haspan* (13%), *Cyperus javanicus* (13%), *Cyperus pilosus* (13%), *Cyperus trinervis* (13%), *Echinopogon caespitosus* var. *caespitosus* (13%), *Eleocharis acuta* (13%), *Eremochloa bimaculata* (20, 13%), *Eriachne pallescens* (20, 13%), *Fimbristylis cinnamometorum* (13%), *Gahnia aspera* (13%), *Heteropogon contortus* (13%), *Ischaemum australe* var. *australe* (20, 13%), *Ischaemum indet.* (20, 13%), *Juncus kraussii* (13%), *Juncus usitatus* (13%), *Lepidosperma laterale* (13%), *Lepironia articulata* (13%), *Megathyrsus maximus** (13%), *Paspalidium gracile* (13%), *Paspalum longifolium* (2, 13%), *Paspalum scrobiculatum* (13%), *Paspalum urvillei** (13%), *Scleria tricuspidata* (13%), *Sorghum x alnum** (13%)

FORBS: *Ageratum houstonianum** (1, 63%), *Pteridium esculentum* (50%), *Centella asiatica* (38%), *Crassocephalum crepidioides** (38%), *Dianella caerulea* (1, 38%), *Hypericum gramineum* (38%), *Lobelia purpurascens* (38%), *Lomandra longifolia* (1, 38%), *Parsonsia straminea* (1, 38%), *Baccharis halimifolia** (1, 25%), *Cassytha pubescens* (25%), *Emilia sonchifolia** (25%), *Eustrephus latifolius* (25%), *Geitonoplesium cymosum* (25%), *Glycine clandestina* (25%), *Gonocarpus chinensis* subsp. *verrucosus* (25%), *Lantana camara** (25%), *Murdannia graminea* (25%), *Oxalis chnoodes* (25%), *Passiflora suberosa** (25%), *Passiflora subpeltata** (16, 25%), *Philydrum lanuginosum* (25%), *Phyllanthus virgatus* (25%), *Pultenaea retusa* (25%), *Stephania japonica* (25%), *Acacia concurrens* (13%), *Acacia disparrima* subsp. *disparrima* (13%), *Acacia leiocalyx* (13%), *Alphitonia excelsa* (1, 13%), *Alternanthera brasiliana** (13%), *Asparagus africanus** (1, 13%), *Aster subulatus** (13%), *Banksia robur* (13%), *Bidens pilosa** (13%), *Billardiera scandens* (1, 13%), *Breynia oblongifolia* (13%), *Brunoniella australis* (13%), *Bryophyllum indet.* (13%), *Centratherum punctatum* subsp. *punctatum** (13%), *Cheilanthes sieberi* (13%), *Cheilanthes tenuifolia* (13%), *Commelina diffusa* (2, 13%), *Commelina lanceolata* (13%), *Cyanthillium cinereum* (13%), *Dianella indet.* (13%), *Geodorum densiflorum* (13%), *Glochidion ferdinandi* (13%), *Glochidion sumatranum* (13%), *Gomphocarpus physocarpus** (1, 13%), *Hakea florulenta* (13%), *Hibbertia vestita* (13%), *Homoranthus virgatus* (13%), *Hydrocotyle tripartita* (13%), *Hypoxis pratensis* (13%), *Lagenophora stipitata* (13%), *Lobelia membranacea* (13%), *Lomandra hystrix* (13%), *Melastoma malabathricum* subsp. *malabathricum* (13%), *Ochna serrulata** (13%), *Oxalis radicata* (1, 13%), *Parsonsia eucalyptophylla* (13%), *Passiflora edulis** (13%), *Polymeria calycina* (13%), *Scoparia dulcis** (13%), *Sida cordifolia** (13%), *Solanum americanum* (1, 13%), *Solanum nigrum* (13%), *Solanum seaforthianum** (13%), *Sonchus oleraceus** (1, 13%), *Trema tomentosa* var. *viridis* (13%), *Triglochin procerum* (13%), *Velleia spathulata* (13%), *Verbena bonariensis** (13%), *Verbena indet.* (13%), *Xyris juncea* (13%)

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

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

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

Eucalyptus tereticornis, Casuarina cunninghamiana subsp. cunninghamiana +/- Melaleuca spp. fringing woodland

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 105,629 53,661 51%

Species recorded: Total: 231; woody: 68; ground: 199; Avg. spp./site: 52.8; std dev.: 7.5, 10 site(s)

Basal area: Avg./site: 17.2 m²/ha, range: 5.0 - 39 m²/ha, std. deviation: 9 m²/ha, 9 site(s)

Structural formation: Woodland: 60%; open-woodland: 40%, 10 site(s)

Representative sites: 13830, 13832, 14061, 14077, 14254, 14262, 14489, 14578, 15105, 19884.

Stratum: T1

Height avg. = 19.4m, range 8-25m, 10 sites

Crown cover avg. = 26.6%, range 15.0-50.0%, 10 sites

Stem density/ha avg. = 233, range 160-380, 3 sites

Dominant species (relative cover, frequency): Casuarina cunninghamiana subsp. cunninghamiana (60, 90%), Eucalyptus tereticornis (14, 70%)

Frequent species (cover, frequency): Casuarina cunninghamiana subsp. cunninghamiana (18, 90%), Eucalyptus tereticornis (5, 70%), Corymbia tessellaris (6, 20%), Corymbia intermedia (1, 10%), Euroschinus falcatus var. falcatus (10%), Lophostemon suaveolens (6, 10%), Melaleuca bracteata (28, 10%), Melaleuca fluviatilis (15, 10%), Waterhousea floribunda (6, 10%)

Stratum: T2

Height avg. = 10.4m, range 6-16m, 7 sites

Crown cover avg. = 17.3%, range 1.0-30.0%, 7 sites

Stem density/ha avg. = 173, range 60-300, 3 sites

Dominant species (relative cover, frequency): Casuarina cunninghamiana subsp. cunninghamiana (22, 30%)

Frequent species (cover, frequency): Casuarina cunninghamiana subsp. cunninghamiana (4, 30%), Corymbia tessellaris (1, 20%), Melaleuca bracteata (16, 20%), Melaleuca viminalis (6, 20%), Angophora subvelutina (1, 10%), Aphananthe philippinensis (5, 10%), Cryptocarya triplinervis (10, 10%), Cryptocarya triplinervis var. triplinervis (1, 10%), Diospyros australis (1, 10%), Diplatia furcata (10%), Drypetes deplanchei (2, 10%), Euroschinus falcatus var. falcatus (1, 10%), Ficus adenosperma (1, 10%), Lophostemon suaveolens (2, 10%), Maclura cochinchinensis (2, 10%), Melaleuca fluviatilis (25, 10%), Notelaea microcarpa var. microcarpa (1, 10%), Pleiogynium timorense (10%), Waterhousea floribunda (13, 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: T3

Height avg. = 7.5m, range 4-11m, 4 sites

Crown cover avg. = 13.3%, range 1.0-30.0%, 4 sites

Stem density/ha avg. = 200, 1 site

Frequent species (cover, frequency): Melaleuca bracteata (11, 20%), Melaleuca viminalis (13, 20%), Acacia disparrima subsp. disparrima (10%), Cryptocarya triplinervis var. triplinervis (1, 10%), Cupaniopsis anacardioides (1, 10%), Diospyros australis (1, 10%), Dockrillia bowmanii (10%), Drypetes deplanchei (2, 10%), Elaeocarpus obovatus (10%), Geijera salicifolia (10%), Macaranga tanarius (1, 10%), Mallotus philippensis (1, 10%), Melaleuca linariifolia (10%), Notelaea microcarpa var. microcarpa (1, 10%), Pleiogynium timorense (10%)

Stratum: S1

Height avg. = 2.3m, range 2-3.5m, 9 sites

Crown cover avg. = 13.2%, range 2.0-40.0%, 10 sites

Stem density/ha avg. = 227, range 20-340, 3 sites

Dominant species (relative cover, frequency): Lantana camara (43, 40%), Maclura cochinchinensis (41, 30%), Acacia disparrima subsp. disparrima (7, 40%)*

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (40%), Lantana camara (8, 40%), Maclura cochinchinensis (1, 30%), Aphananthe philippinensis (1, 20%), Breynia oblongifolia (20%), Mallotus philippensis (20%), Melaleuca bracteata (8, 20%), Melaleuca linariifolia var. trichostachya (9, 20%), Melaleuca viminalis (11, 20%), Syzygium australe (1, 20%), Trema tomentosa (20%), Abutilon auritum (10%), Acacia leiocalyx (10%), Acacia maidenii (10%), Alchornea ilicifolia (10%), Alchornea thozetiana (20, 10%), Alectryon tomentosus (10%), Alstonia constricta (10%), Angophora subvelutina (1, 10%), Argemone mexicana* (10%), Bertya cunninghamii (10%), Cayratia clematidea (10%), Citrus x limon* (10%), Cryptocarya triplinervis (10%), Cupaniopsis anacardioides (10%), Cupaniopsis parvifolia (10%), Diospyros australis (1, 10%), Diospyros geminata (10%), Diplatia furcata (10%), Dockrillia bowmanii (10%), Dodonaea lanceolata var. subsessilifolia (10%), Excoecaria dallachyana (10%), Ficus coronata (5, 10%), Ficus fraseri (10%), Ficus opposita (10%), Glochidion ferdinandi (10%), Glochidion lobocarpum (10%), Lophostemon suaveolens (2, 10%), Melaleuca linariifolia (10%), Melia azedarach (10%), Neolitsea australiensis (10%), Opuntia tomentosa* (10%), Parsonsia straminea (10%), Passiflora subpeltata* (2, 10%), Phyllanthus microcladus (10%), Pittosporum ferrugineum (10%), Plantago debilis (10%), Pleiogynium timorense (10%), Polyscias elegans (10%), Solanum torvum* (10%), Streblus brunonianus (1, 10%), Tinospora smilacina (10%), Toona ciliata (1, 10%), Urena lobata* (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. = 0.6m, range 0.2-0.8m, 10 sites

PFC avg. = 28.7%, range 10-90%, 10 sites

Stem density/ha avg. = 30, range 20-40, 2 sites

Dominant species (relative cover, frequency): *Lomandra hystrix* (55, 30%), *Bothriochloa decipiens* var. *decipiens* (26, 40%), *Oplismenus aemulus* (15, 60%), *Cyperus gracilis* (6, 30%), *Sida rhombifolia** (2, 50%)

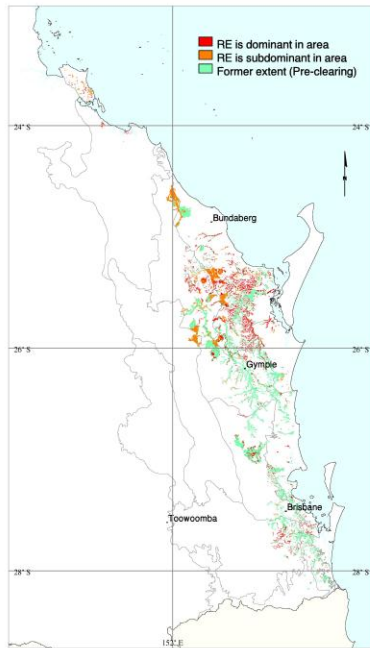
Frequent species (cover, frequency): GRAMINOIDS: *Oplismenus aemulus* (4, 60%), *Bothriochloa decipiens* var. *decipiens* (4, 40%), *Cyperus gracilis* (1, 30%), *Cynodon dactylon* var. *dactylon** (33, 20%), *Eragrostis spartinioides* (20%), *Heteropogon contortus* (1, 20%), *Melinis repens** (1, 20%), *Ottocloa gracillima* (2, 20%), *Scleria mackaviensis* (20%), *Sporobolus elongatus* (20%), *Aristida personata* (10%), *Aristida vagans* (10%), *Arundinella nepalensis* (2, 10%), *Axonopus compressus** (10%), *Axonopus fissifolius** (2, 10%), *Capillipedium spicigerum* (10%), *Chrysopogon filipes* (10%), *Chrysopogon oliganthus* (1, 10%), *Cymbopogon bombycinus* (10%), *Cymbopogon refractus* (10%), *Cyperus difformis* (10%), *Cyperus fulvus* (10%), *Cyperus javanicus* (1, 10%), *Cyperus pilosus* (10%), *Cyperus trinervis* (10%), *Dactyloctenium aegyptium** (10%), *Digitaria ciliaris** (10%), *Digitaria didactyla** (1, 10%), *Digitaria indet.* (10%), *Digitaria ramularis* (2, 10%), *Digitaria violascens** (2, 10%), *Eleusine indica** (10%), *Eragrostis brownii* (15, 10%), *Eragrostis tenuifolia** (10%), *Fimbristylis dichotoma* (10%), *Imperata cylindrica* (10%), *Juncus continuus* (2, 10%), *Leersia hexandra* (10%), *Megathyrsus maximus** (3, 10%), *Microlaena stipoides* var. *stipoides* (10%), *Ottocloa nodosa* (10%), *Paspalum dilatatum** (10%), *Pennisetum alopecuroides* (10%), *Sacciolepis indica* (10%), *Sarga plumosum* (10%), *Scleria brownii* (10%), *Sporobolus creber* (10%), *Sporobolus laxus* (10%), *Themeda triandra* (10%)

FORBS: *Cynanthium cinereum* (60%), *Eustrephus latifolius* (50%), *Phyllanthus virgatus* (50%), *Sida rhombifolia** (50%), *Emilia sonchifolia** (40%), *Lomandra hystrix* (14, 30%), *Malvastrum coromandelianum* (30%), *Oxalis corniculata** (30%), *Richardia brasiliensis** (30%), *Sida cordifolia** (30%), *Sigesbeckia orientalis* (30%), *Stephania japonica* (30%), *Acacia disparrima* subsp. *disparrima* (20%), *Achyranthes aspera* (20%), *Adiantum hispidulum* (20%), *Ageratum houstonianum** (20%), *Alstonia constricta* (20%), *Asclepias curassavica** (20%), *Bidens pilosa* var. *pilosa* (20%), *Centella asiatica* (20%), *Chamaesyce hirta** (20%), *Cirsium vulgare** (20%), *Cyclospermum leptophyllum** (20%), *Glycine clandestina* var. *clandestina* (20%), *Gomphocarpus physocarpus** (20%), *Lantana camara** (4, 20%), *Lantana montevidensis** (20%), *Lomandra longifolia* (20%), *Macfadyena unguis-cati** (3, 20%), *Parsonia straminea* (20%), *Plantago debilis* (20%), *Rhynchosia minima* (20%), *Rivina humilis** (1, 20%), *Sida hackettiana* (20%), *Smilax australis* (20%), *Solanum seafortianum** (20%), *Tridax procumbens** (20%), *Zornia dyctiocarpa* var. *dyctiocarpa* (20%), *Acacia maidenii* (1, 10%), *Adiantum aethiopicum* (10%), *Ajuga australis* (10%), *Alchornea ilicifolia* (10%), *Alchornea thozetiana* (10%), *Alphitonia excelsa* (10%), *Alternanthera nana* (10%), *Alyxia ruscifolia* subsp. *ruscifolia* (10%), *Amaranthus spinosus** (10%), *Angophora subvelutina* (10%), *Aristolochia elegans** (10%), *Aristolochia pubera* (10%), *Bidens bipinnata** (10%), *Bidens pilosa** (10%), *Boerhavia dominii* (10%), *Breynia oblongifolia* (10%), *Bridelia leichhardtii* (10%), *Brunoniella australis* (10%), *Cassytha pubescens* (10%), *Casuarina cunninghamiana* subsp. *cunninghamiana* (10%), *Centipeda minima* (10%), *Chamaecrista mimosoides* (10%), *Chamaesyce macgillivrayi* (10%), *Cheilanthes sieberi* (10%), *Christella dentata* (10%), *Christella hispidula* (10%), *Cissus antarctica* (10%), *Clematis glycinoides* (10%), *Commelina diffusa* (10%), *Conyza sumatrensis** (10%), *Crotalaria indet.* (10%), *Crotalaria spectabilis** (10%), *Cryptocarya triplinervis* var. *triplinervis* (10%), *Cupaniopsis parvifolia* (10%), *Desmodium rhytidophyllum* (10%), *Dianella caerulea* (10%), *Dichondra repens* (10%), *Diplocyclos palmatus* subsp. *palmatus* (10%), *Drymaria cordata** (10%), *Drypetes deplanchei* (10%), *Eclipta prostrata* (10%), *Elatostachys nervosa* (10%), *Erythrina vespertilio* (10%), *Euroschinus falcatus* var. *falcatus* (10%), *Evolvulus alsinoides* (10%), *Ficus fraseri* (10%), *Ficus opposita* (10%), *Flemingia parviflora* (10%), *Galactia tenuiflora* (10%), *Geitonoplesium cymosum* (10%), *Geodorum densiflorum* (10%), *Glochidion ferdinandi* (10%), *Glycine tabacina* (10%), *Glycine tomentella* (10%), *Grevillea robusta* (10%), *Grewia latifolia* (10%), *Gymnanthera oblonga* (10%), *Heliotropium amplexicaule** (10%), *Hybanthus enneaspermus* (10%), *Hypochaeris microcephala* var. *albiflora* (10%), *Ipomoea cairica** (10%), *Jagera pseudorhus* (10%), *Jasminum simplicifolium* (10%), *Legnephora moorei* (10%), *Lepidium indet.* (10%), *Lobelia purpurascens* (10%), *Lophostemon suaveolens* (10%), *Ludwigia octovalvis* (10%), *Maclura cochinchinensis* (2, 10%), *Macroptilium atropurpureum** (10%), *Mallotus philippensis* (10%), *Malvastrum americanum* var. *americanum** (10%), *Maytenus disperma* (10%), *Mecardonia procumbens** (10%), *Melaleuca bracteata* (10%), *Melia azedarach* (10%), *Murraya paniculata* (10%), *Murraya paniculata* cv. *Exotica** (10%), *Nyssanthus diffusa* (10%), *Olea paniculata* (10%), *Opuntia tomentosa** (10%), *Oxalis indet.* (10%), *Passiflora indet.* (10%), *Passiflora suberosa** (10%), *Passiflora subpeltata** (10%), *Pavetta australiensis* var. *australiensis* (10%), *Peripleura hispidula* (10%), *Persicaria hydropiper* (10%), *Plectranthus parviflorus* (10%), *Pleiogynium timorense* (10%), *Polycarpaea corymbosa* var. *minor* (10%), *Polymeria calycina* (10%), *Portulaca oleracea** (10%), *Pteridium esculentum* (10%), *Pycnospora lutescens* (10%), *Salvia coccinea** (10%), *Senna pendula* var. *glabrata** (10%), *Senna x floribunda* (10%), *Solanum americanum* (10%), *Solanum mauritianum** (10%), *Solanum nigrum* (10%), *Sonchus oleraceus** (10%), *Stellaria media** (10%), *Syagrus romanzoffiana** (10%), *Syzygium australe* (10%), *Tephrosia indet.* (10%), *Tradescantia fluminensis** (68, 10%), *Trema tomentosa* (10%), *Trophis scandens* subsp. *scandens* (10%), *Turraea pubescens* (10%), *Wahlenbergia gracilis* (10%), *Xanthium occidentale** (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 tereticornis +/- Eucalyptus siderophloia, Corymbia intermedia open-forest on alluvial plains usually near coast

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 189,082 46,988 25%

Species recorded: Total: 218; woody: 55; ground: 182; Avg. spp./site: 40.6; std dev.: 8.5, 14 site(s)

Basal area: Avg./site: 22.1 m²/ha, range: 17.0 - 31 m²/ha, std. deviation: 4 m²/ha, 14 site(s)

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

Representative sites: 13892, 15417, 16504, 19290, 19291, 19741, 19743, 19751, 19764, 19809, 19855, 19907, 40855, 40856.

Stratum: T1

Height avg. = 22.8m, range 19-30m, 13 sites

Crown cover avg. = 44.0%, range 17.0-60.0%, 14 sites

Stem density/ha avg. = 284, range 20-520, 10 sites

Dominant species (relative cover, frequency): Eucalyptus tereticornis (52, 71%), Eucalyptus siderophloia (29, 64%), Melaleuca quinquenervia (25, 29%), Corymbia intermedia (23, 64%), Lophostemon suaveolens (21, 43%)

Frequent species (cover, frequency): Eucalyptus tereticornis (22, 71%), Corymbia intermedia (13, 64%), Eucalyptus siderophloia (10, 64%), Lophostemon suaveolens (12, 43%), Angophora leiocarpa (6, 36%), Melaleuca quinquenervia (12, 29%), Corymbia tessellaris (8, 21%), Corymbia citriodora subsp. variegata (3, 14%), Angophora woodsiana (18, 7%), Dendrophthoe vitellina (7%), Eucalyptus seeana (5, 7%), Eucalyptus tindaliae (1, 7%)

Stratum: T2

Height avg. = 11.3m, range 6-19m, 12 sites

Crown cover avg. = 23.9%, range 3.0-60.0%, 14 sites

Stem density/ha avg. = 562, range 40-1520, 12 sites

Dominant species (relative cover, frequency): Lophostemon suaveolens (41, 71%), Melaleuca quinquenervia (34, 64%), Allocasuarina littoralis (31, 21%), Acacia disparrima subsp. disparrima (25, 29%), Corymbia intermedia (16, 43%)

Frequent species (cover, frequency): Lophostemon suaveolens (12, 71%), Melaleuca quinquenervia (4, 64%), Corymbia intermedia (4, 43%), Acacia disparrima subsp. disparrima (3, 29%), Alphitonia excelsa (1, 29%), Allocasuarina littoralis (7, 21%), Eucalyptus siderophloia (2, 21%), Eucalyptus tereticornis (1, 21%), Acacia concurrens (3, 14%), Angophora leiocarpa (5, 14%), Banksia integrifolia (6, 14%), Corymbia tessellaris (2, 14%), Elaeocarpus obovatus (14%), Glochidion sumatranum (11, 14%), Melaleuca linariifolia (4, 14%), Melaleuca salicina (14, 14%), Notelaea longifolia (14%), Angophora woodsiana (7%), Casuarina glauca (5, 7%), Cinnamomum camphora (1, 7%), Ficus coronata (5, 7%), Glochidion ferdinandi (7%), Jagera pseudorhus (7%), Parsonsia straminea (1, 7%), Pinus elliottii* (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

Stratum: S1

Height avg. = 2.7m, range 1.5-4m, 13 sites

Crown cover avg. = 22.9%, range 1.0-80.0%, 14 sites

Stem density/ha avg. = 2549, range 100-10800, 12 sites

Dominant species (relative cover, frequency): *Leptospermum polygalifolium* (57, 21%), *Lantana camara** (39, 57%), *Lophostemon suaveolens* (29, 43%), *Acacia disparrima* subsp. *disparrima* (29, 43%), *Acacia leiocalyx* (22, 43%)

Frequent species (cover, frequency): *Lantana camara** (16, 57%), *Alphitonia excelsa* (4, 50%), *Acacia disparrima* subsp. *disparrima* (4, 43%), *Acacia leiocalyx* (2, 43%), *Lophostemon suaveolens* (4, 43%), *Melaleuca quinquenervia* (1, 43%), *Eucalyptus tereticornis* (36%), *Acacia concurrens* (1, 21%), *Baccharis halimifolia** (21%), *Corymbia intermedia* (21%), *Corymbia tessellaris* (21%), *Hakea florulenta* (21%), *Leptospermum polygalifolium* (28, 21%), *Acacia maidenii* (14%), *Allocasuarina littoralis* (4, 14%), *Angophora leiocarpa* (1, 14%), *Banksia integrifolia* (14%), *Breynia oblongifolia* (14%), *Cinnamomum camphora** (1, 14%), *Clerodendrum floribundum* (14%), *Glochidion ferdinandi* (14%), *Glochidion sumatranum* (1, 14%), *Parsonia straminea* (1, 14%), *Persoonia stradbrokeensis* (1, 14%), *Trema tomentosa* (1, 14%), *Acacia fimbriata* (7%), *Acacia melanoxylon* (7%), *Asparagus africanus** (7%), *Dodonaea triquetra* (7%), *Eucalyptus siderophloia* (7%), *Grevillea banksii* (1, 7%), *Grevillea robusta* (7%), *Ligustrum sinense** (1, 7%), *Maclura cochinchinensis* (1, 7%), *Melaleuca linariifolia* (3, 7%), *Melaleuca salicina* (7%), *Murraya paniculata* (1, 7%), *Myrsine variabilis* (7%), *Pinus elliottii** (7%), *Pittosporum revolutum* (1, 7%), *Pultenaea paleacea* (7%), *Senna pendula* var. *glabrata** (1, 7%), *Sida hackettiana* (7%), *Stephania japonica* (1, 7%), *Trophis scandens* subsp. *scandens* (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. = 0.6m, range 0.2-1m, 13 sites

PFC avg. = 44.3%, range 12-95%, 14 sites

Dominant species (relative cover, frequency): *Ottochloa gracillima* (25, 50%), *Imperata cylindrica* (24, 86%), *Pteridium esculentum* (21, 21%), *Themeda triandra* (17, 64%), *Lomandra longifolia* (11, 43%)

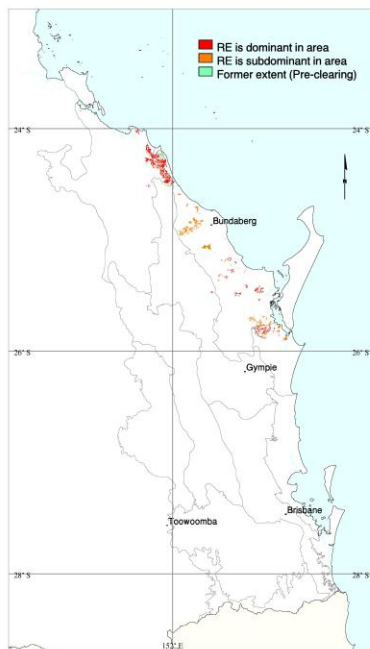
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (15, 86%), *Themeda triandra* (11, 64%), *Ottochloa gracillima* (14, 50%), *Cymbopogon refractus* (2, 36%), *Entolasia stricta* (1, 36%), *Microlaena stipoides* (2, 36%), *Eragrostis spartinoides* (1, 29%), *Paspalum scrobiculatum* (29%), *Alloteropsis semialata* (21%), *Digitaria parviflora* (21%), *Fimbristylis dichotoma* (21%), *Lepidosperma laterale* (21%), *Oplismenus aemulus* (2, 21%), *Panicum effusum* (21%), *Paspalidium distans* (21%), *Aristida warburgii* (14%), *Arundinella nepalensis* (4, 14%), *Capillipedium spicigerum* (1, 14%), *Chloris gayana** (14%), *Eragrostis brownii* (14%), *Eremochloa bimaculata* (14%), *Gahnia aspera* (14%), *Paspalidium gracile* (3, 14%), *Sacciolepis indica* (2, 14%), *Scleria levis* (14%), *Abildgaardia vaginata* (1, 7%), *Aristida calycina* var. *calycina* (7%), *Baumea indet.* (1, 7%), *Carex brunnea* (7%), *Carex indet.* (7%), *Carex maculata* (5, 7%), *Chrysopogon fallax* (7%), *Cyperus haspan* (1, 7%), *Cyperus leiocaulon* (7%), *Dichelachne indet.* (7%), *Dichelachne micrantha* (7%), *Digitaria breviglumis* (7%), *Digitaria indet.* (7%), *Digitaria longiflora* (7%), *Echinochloa telmatophila* (7%), *Fimbristylis cinnamometorum* (7%), *Heteropogon contortus* (1, 7%), *Juncus polyanthemus* (1, 7%), *Leptochloa indet.* (7%), *Megathyrsus maximus** (12, 7%), *Oplismenus imbecillis* (7%), *Panicum simile* (1, 7%), *Paspalidium gaussum* (1, 7%), *Sarga leiocladum* (27, 7%), *Schoenus apogon* (5, 7%), *Urochloa mutica** (2, 7%)

FORBS: *Cyanthillium cinereum* (71%), *Lobelia purpurascens* (1, 64%), *Parsonsia straminea* (1, 64%), *Passiflora suberosa** (57%), *Brunoniella australis* (50%), *Dianella caerulea* (50%), *Geitonoplesium cymosum* (50%), *Phyllanthus virgatus* (50%), *Desmodium rhytidophyllum* (43%), *Lomandra longifolia* (3, 43%), *Ageratum houstonianum** (1, 36%), *Centella asiatica* (36%), *Goodenia rotundifolia* (36%), *Murdannia graminea* (36%), *Eustrephus latifolius* (29%), *Stephania japonica* (1, 29%), *Commelina lanceolata* (21%), *Emilia sonchifolia** (21%), *Glochidion ferdinandi* (21%), *Glycine clandestina* (21%), *Gomphocarpus physocarpus** (21%), *Lomandra laxa* (21%), *Pimelea linifolia* (1, 21%), *Polymeria calycina* (21%), *Pteridium esculentum* (5, 21%), *Smilax australis* (21%), *Solanum seaforthianum** (21%), *Acacia disparrima* subsp. *disparrima* (1, 14%), *Alphitonia excelsa* (14%), *Bidens pilosa** (1, 14%), *Cassytha pubescens* (14%), *Chrysocephalum apiculatum* (14%), *Crassocephalum crepidioides** (14%), *Cupaniopsis anacardioides* (14%), *Dianella rara* (14%), *Dianella revoluta* (14%), *Flemingia parviflora* (1, 14%), *Galactia tenuiflora* (14%), *Glochidion sumatranum* (14%), *Hybanthus stellarioides* (14%), *Lantana camara** (10, 14%), *Lomandra confertifolia* subsp. *pallida* (14%), *Lomandra multiflora* (14%), *Lophostemon suaveolens* (3, 14%), *Maclura cochinchinensis* (14%), *Ochna serrulata** (14%), *Passiflora foetida** (14%), *Pseuderanthemum variabile* (1, 14%), *Pycnospora lutescens* (14%), *Sida rhombifolia** (14%), *Solanum nigrum* (14%), *Tricoryne elatior* (14%), *Acacia concurrens* (7%), *Acacia leiocalyx* (1, 7%), *Ageratina riparia** (10, 7%), *Ambrosia artemisiifolia** (7%), *Aristolochia pubera* (7%), *Asclepias curassavica** (7%), *Asparagus indet.* (1, 7%), *Baloskion pallens* (7%), *Blechnum indicum* (7%), *Breynia oblongifolia* (7%), *Caladenia catenata* (7%), *Calochlaena dubia* (5, 7%), *Casuarina indet.* (7%), *Cayratia clematidea* (7%), *Chamaecrista nomame* (7%), *Cheilanthes sieberi* (7%), *Chorizema parviflorum* (7%), *Commelina diffusa* (7%), *Corybas barbarae* (1, 7%), *Corymbia tessellaris* (7%), *Crotalaria montana* (7%), *Curculigo ensifolia* (7%), *Cyclophyllum coprosmoides* (7%), *Daviesia umbellulata* (7%), *Desmodium gunnii* (7%), *Desmodium varians* (7%), *Dianella brevipedunculata* (7%), *Epacris microphylla* (7%), *Eriocaulon australe* (1, 7%), *Ficus rubiginosa* (7%), *Geodorum densiflorum* (7%), *Glycine clandestina* var. *sericea* (7%), *Glycine tomentella* (7%), *Gonocarpus chinensis* subsp. *verrucosus* (7%), *Gonocarpus micranthus* subsp. *ramosissimus* (7%), *Goodenia bellidifolia* (7%), *Grevillea leiophylla* (7%), *Hakea florulenta* (7%), *Hibbertia scandens* (7%), *Hydrocotyle tripartita* (2, 7%), *Hypericum gramineum* (7%), *Hypoxis pratensis* (7%), *Jacaranda mimosifolia** (7%), *Lagenophora stipitata* (7%), *Leptospermum polygalifolium* (3, 7%), *Ligustrum sinense** (7%), *Lindernia crustacea* (7%), *Lindsaea incisa* (7%), *Lomandra confertifolia* (3, 7%), *Lomandra filiformis* (7%), *Lomatia silaifolia* (7%), *Macrotyloma axillare* (7%), *Melastoma malabathricum* (7%), *Mitrasacme alsinoides* (7%), *Notelaea ovata* (7%), *Oxalis indet.* (7%), *Oxalis perennans* (7%), *Passiflora subpeltata** (7%), *Persoonia media* (7%), *Polygala paniculata** (7%), *Poranthera microphylla* (7%), *Pterostylis nutans* (7%), *Pultenaea spinosa* (7%), *Richardia brasiliensis** (7%), *Rivina humilis** (3, 7%), *Rostellularia adscendens* (7%), *Rostellularia obtusa* (7%), *Rubus parvifolius* (7%), *Schefflera actinophylla* (7%), *Schinus terebinthifolius** (7%), *Senna pendula* var. *glabrata** (7%), *Sigesbeckia orientalis* (7%), *Smilax glyciphylla* (7%), *Solanum mauritianum** (7%), *Sonchus oleraceus** (7%), *Sporadanthus caudatus* (10, 7%), *Trophis scandens* subsp. *scandens* (7%), *Viola banksii* (7%), *Viola hederacea* (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 latisinensis or E. exserta, Melaleuca viridiflora var. viridiflora woodland on alluvial plains

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 18,389 13,786 75%

Species recorded: Total: 117; woody: 35; ground: 90; Avg. spp./site: 32.2; std dev.: 11.2, 6 site(s)

Basal area: Avg./site: 20.7 m²/ha, range: 11.0 - 27 m²/ha, std. deviation: 6 m²/ha, 6 site(s)

Structural formation: Woodland: 50%; open-forest: 33%; low woodland: 17%, 6 site(s)

Representative sites: 14041, 31291, 41000, 41001, 41002, 41007.

Stratum: E

Height avg. = 19.7m, range 15-24m, 3 sites

Crown cover avg. = 6.0%, range 3.0-11.0%, 3 sites

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

Dominant species (relative cover, frequency): Eucalyptus exserta (73, 50%)

Frequent species (cover, frequency): Eucalyptus exserta (3, 50%), Angophora leiocarpa (2, 17%), Corymbia intermedia (5, 17%), Eucalyptus moluccana (2, 17%)

Stratum: T1

Height avg. = 13.7m, range 8-22m, 6 sites

Crown cover avg. = 44.0%, range 30.0-68.0%, 6 sites

Stem density/ha avg. = 405, range 80-920, 6 sites

Dominant species (relative cover, frequency): Melaleuca viridiflora var. viridiflora (72, 67%), Eucalyptus tereticornis (52, 33%), Angophora leiocarpa (30, 50%), Eucalyptus exserta (22, 67%)

Frequent species (cover, frequency): Eucalyptus exserta (8, 67%), Melaleuca viridiflora var. viridiflora (36, 67%), Angophora leiocarpa (11, 50%), Eucalyptus tereticornis (16, 33%), Acacia disparrima subsp. disparrima (2, 17%), Allocasuarina littoralis (1, 17%), Cymbidium canaliculatum (17%), Eucalyptus latisinensis (3, 17%), Melaleuca quinquenervia (8, 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: T2

Height avg. = 6.8m, range 3.5-12m, 6 sites

Crown cover avg. = 13.8%, range 3.0-37.0%, 6 sites

Stem density/ha avg. = 144, range 20-560, 6 sites

Dominant species (relative cover, frequency): *Melaleuca viridiflora* var. *viridiflora* (59, 83%), *Melaleuca quinquenervia* (43, 33%), *Acacia disparrima* subsp. *disparrima* (24, 33%), *Corymbia intermedia* (21, 50%), *Acacia leptocarpa* (17, 33%)

Frequent species (cover, frequency): *Melaleuca viridiflora* var. *viridiflora* (13, 83%), *Corymbia intermedia* (1, 50%), *Acacia disparrima* subsp. *disparrima* (3, 33%), *Acacia leptocarpa* (2, 33%), *Allocasuarina littoralis* (1, 33%), *Melaleuca quinquenervia* (2, 33%), *Acacia leiocalyx* (17%), *Acacia leiocalyx* subsp. *herveyensis* (2, 17%), *Corymbia trachyphloia* subsp. *trachyphloia* (17%), *Eucalyptus exserta* (17%), *Eucalyptus latisinensis* (17%), *Eucalyptus tereticornis* (2, 17%), *Grevillea banksii* (17%), *Jacksonia scoparia* (17%), *Leptospermum polygalifolium* (17%), *Lophostemon suaveolens* (17%), *Parsonsia straminea* (17%)

Stratum: S1

Height avg. = 1.6m, range 0.8-3m, 5 sites

Crown cover avg. = 9.4%, range 4.0-28.0%, 5 sites

Stem density/ha avg. = 1012, range 267-2394, 5 sites

Dominant species (relative cover, frequency): *Melaleuca viridiflora* var. *viridiflora* (30, 67%), *Lophostemon suaveolens* (21, 50%), *Acacia disparrima* subsp. *disparrima* (17, 50%), *Grevillea banksii* (13, 33%), *Melaleuca quinquenervia* (11, 33%)

Frequent species (cover, frequency): *Melaleuca viridiflora* var. *viridiflora* (2, 67%), *Acacia disparrima* subsp. *disparrima* (1, 50%), *Lophostemon suaveolens* (1, 50%), *Alphitonia excelsa* (33%), *Angophora leiocarpa* (33%), *Corymbia intermedia* (33%), *Cyclophyllum coprosmoides* var. *coprosmoides* (33%), *Grevillea banksii* (1, 33%), *Livistona decora* (33%), *Melaleuca quinquenervia* (1, 33%), *Acacia leiocalyx* (17%), *Acacia leiocalyx* subsp. *herveyensis* (1, 17%), *Acacia leiocalyx* subsp. *leiocalyx* (1, 17%), *Acacia leptocarpa* (2, 17%), *Allocasuarina littoralis* (17%), *Banksia integrifolia* subsp. *compar* (17%), *Banksia robur* (17%), *Eucalyptus exserta* (17%), *Eucalyptus tereticornis* (1, 17%), *Ficus opposita* (17%), *Glochidion ferdinandi* (17%), *Glochidion lobocarpum* (17%), *Hakea florulenta* (17%), *Jasminum didymum* subsp. *didymum* (17%), *Lantana camara** (17%), *Petalostigma pubescens* (1, 17%), *Pultenaea paleacea* (17%), *Xanthorrhoea johnsonii* (26, 17%)

Stratum: G

Height avg. = 0.4m, range 0.2-0.6m, 6 sites

PFC avg. = 71.2%, range 55-91%, 6 sites

Stem density/ha avg. = 15600, 1 site

Dominant species (relative cover, frequency): *Xanthorrhoea johnsonii* (38, 50%), *Eremochloa bimaculata* (38, 33%), *Themeda triandra* (32, 83%), *Schoenus apogon* (32, 33%), *Scleria rugosa* (13, 50%)

Frequent species (cover, frequency): GRAMINOIDS: *Fimbristylis cinnamometorum* (1, 83%), *Themeda triandra* (28, 83%), *Eragrostis brownii* (67%), *Rhynchospora rubra* (3, 67%), *Aristida gracilipes* (2, 50%), *Fuirena ciliaris* (1, 50%), *Paspalidium distans* (3, 50%), *Scleria rugosa* (10, 50%), *Eremochloa bimaculata* (20, 33%), *Fimbristylis dichotoma* (1, 33%), *Fimbristylis tristachya* (8, 33%), *Paspalidium indet.* (1, 33%), *Paspalum scrobiculatum* (3, 33%), *Schoenus apogon* (22, 33%), *Aristida benthamii* (17%), *Aristida warburgii* (10, 17%), *Arundinella nepalensis* (17%), *Capillipedium spicigerum* (5, 17%), *Cymbopogon refractus* (1, 17%), *Cyperus polystachyos* (17%), *Digitaria parviflora* (17%), *Entolasia stricta* (17%), *Eragrostis spartinoides* (17%), *Eriachne pallescens* (17%), *Eriachne trisetata* (17%), *Heteropogon contortus* (17%), *Imperata cylindrica* (17%), *Ischaemum australe* (2, 17%), *Ischaemum fragile* (2, 17%), *Leersia hexandra* (8, 17%), *Leptochloa decipiens* (17%), *Panicum effusum* (17%), *Panicum simile* (8, 17%), *Poaceae indet.* (1, 17%), *Rhynchospora pterochaeta* (17%), *Sacciolepis indica* (17%), *Schoenus brevifolius* (17%)

FORBS: *Velleia spathulata* (83%), *Lomandra longifolia* (67%), *Phyllanthus virgatus* (50%), *Xanthorrhoea johnsonii* (23, 50%), *Cyanthillium cinereum* (33%), *Drosera spatulata* (33%), *Haloragis heterophylla* (33%), *Hypochaeris radicata** (33%), *Oldenlandia galioides* (33%), *Persoonia virgata* (33%), *Tricoryne elatior* (33%), *Acemella grandiflora* (17%), *Ageratum houstonianum** (17%), *Angophora leiocarpa* (17%), *Banksia robur* (17%), *Brunoniella acaulis* (17%), *Brunoniella australis* (2, 17%), *Burchardia umbellata* (17%), *Caladenia carnea* (17%), *Centella asiatica* (1, 17%), *Chorizema parviflorum* (1, 17%), *Comesperma defoliatum* (17%), *Crotalaria lanceolata* (17%), *Cryptostylis subulata* (2, 17%), *Cyclophyllum coprosmoides* var. *coprosmoides* (17%), *Desmodium heterocarpon* (17%), *Dianella longifolia* (17%), *Dianella rara* (17%), *Emilia sonchifolia** (17%), *Eucalyptus tereticornis* (17%), *Gompholobium pinnatum* (17%), *Goodenia rotundifolia* (1, 17%), *Grevillea leiophylla* (17%), *Hibbertia stricta* (17%), *Hibbertia vestita* (17%), *Leptospermum polygalifolium* (17%), *Lomandra confertifolia* subsp. *pallida* (17%), *Lomandra multiflora* (17%), *Ludwigia octovalvis* (17%), *Melaleuca viridiflora* var. *viridiflora* (17%), *Melastoma malabathricum* (17%), *Opercularia diphylla* (17%), *Parsonsia straminea* (17%), *Passiflora suberosa** (17%), *Philydrum lanuginosum* (17%), *Pogonolobus reticulatus* (17%), *Polymeria calycina* (17%), *Stackhousia nuda* (17%), *Stylosanthes indet.* (17%), *Utricularia uliginosa* (17%), *Westringia tenuicaulis* (17%), *Xanthorrhoea latifolia* (17%), *Xyris complanata* (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

Closed-heathland on seasonally waterlogged alluvial plains usually near coast

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 21,845 13,611 62%

Species recorded: Total: 41; woody: 13; ground: 32; Avg. spp./site: 22.0; std dev.: 0.0, 3 site(s)

Basal area: Avg./site: 6.0 m²/ha, range: 1.0 - 11 m²/ha, std. deviation: 5 m²/ha, 2 site(s)

Structural formation: Closed-heath: 67%; sedgeland: 33%, 3 site(s)

Representative sites: 14039, 14050, 16454.

Stratum: E

Height avg. = 19.0m, 1 site

Crown cover avg. = 4.0%, 1 site

Dominant species (relative cover, frequency): Eucalyptus robusta (98, 33%), Lophostemon suaveolens (2, 33%)

Frequent species (cover, frequency): Eucalyptus robusta (4, 33%), Lophostemon suaveolens (33%)

Stratum: S1

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

Crown cover avg. = 28.3%, range 5.0-60.0%, 3 sites

Dominant species (relative cover, frequency): Baeckea frutescens (64, 33%), Banksia robur (44, 100%), Gahnia sieberiana (40, 33%), Leptospermum liversidgei (24, 33%), Gahnia aspera (19, 33%)

Frequent species (cover, frequency): Gahnia aspera (4, 33%), Gahnia sieberiana (2, 33%), Banksia robur (9, 100%), Baeckea frutescens (39, 33%), Eucalyptus robusta (1, 33%), Leptospermum liversidgei (5, 33%), Leptospermum polygalifolium (2, 33%), Leucopogon leptospermoides (2, 33%), Melaleuca quinquenervia (1, 33%), Monotoca scoparia (2, 33%), Persoonia virgata (33%), Sprengelia sprengelioides (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

Stratum: G

Height avg. = 0.8m, range 0.5-1m, 3 sites

PFC avg. = 55.0%, range 15-80%, 3 sites

Dominant species (relative cover, frequency): *Empodisma minus* (63, 33%), *Hypolaena fastigiata* (41, 33%), *Baloskion tetraphyllum* (34, 33%), *Baumea teretifolia* (34, 33%), *Gahnia sieberiana* (29, 33%)

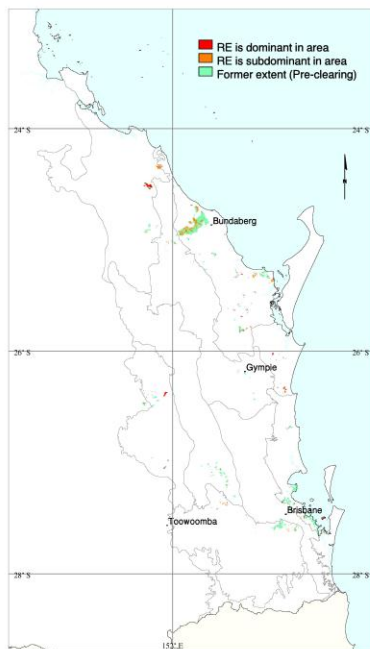
Frequent species (cover, frequency): GRAMINOIDS: *Baumea teretifolia* (23, 33%), *Gahnia sieberiana* (20, 33%), *Ischaemum australe* var. *villosum* (33%), *Schoenus calostachyus* (33%)

FORBS: *Boronia falcifolia* (3, 67%), *Pimelea linifolia* (67%), *Baloskion pallens* (1, 33%), *Baloskion tetraphyllum* (23, 33%), *Baloskion tetraphyllum* subsp. *meiostachyum* (33%), *Banksia robur* (10, 33%), *Dampiera stricta* (1, 33%), *Drosera lanata* (1, 33%), *Drosera peltata* (33%), *Empodisma minus* (55, 33%), *Epacris microphylla* (1, 33%), *Eurychorda complanata* (1, 33%), *Gonocarpus micranthus* subsp. *ramosissimus* (33%), *Hibbertia salicifolia* (1, 33%), *Hypolaena fastigiata* (6, 33%), *Leptospermum liversidgei* (5, 33%), *Leptospermum polygalifolium* (2, 33%), *Melastoma malabathricum* subsp. *malabathricum* (33%), *Mirbelia rubiifolia* (1, 33%), *Mitrasacme paludosa* (1, 33%), *Ochrosperma lineare* (1, 33%), *Olox retusa* (33%), *Patersonia sericea* var. *sericea* (1, 33%), *Phyllota phyllicoides* (1, 33%), *Pultenaea paleacea* (33%), *Selaginella uliginosa* (2, 33%), *Sporadanthus caudatus* (1, 33%), *Xanthorrhoea johnsonii* (10, 33%)

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

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

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

Corymbia intermedia, Eucalyptus tereticornis open-forest on remnant Tertiary surfaces, usually near coast. Usually deep red soils


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 35,478 4,833 14%

Species recorded: Total: 62; woody: 18; ground: 45; Avg. spp./site: 20.0; std dev.: 0.0, 6 site(s)

Basal area: Avg./site: 20.2 m²/ha, range: 16.0 - 27 m²/ha, std. deviation: 4 m²/ha, 6 site(s)

Structural formation: Open-forest: 67%; woodland: 33%, 6 site(s)

Representative sites: 13767, 14060, 14105, 14290, 14291, 16503.

Stratum: T1

Height avg. = 19.3m, range 13-24m, 6 sites

Crown cover avg. = 49.7%, range 20.0-68.0%, 6 sites

Dominant species (relative cover, frequency): *Lophostemon suaveolens* (48, 67%), *Angophora leiocarpa* (43, 33%), *Corymbia intermedia* (36, 100%), *Eucalyptus tereticornis* (13, 100%)

Frequent species (cover, frequency): *Corymbia intermedia* (15, 100%), *Eucalyptus tereticornis* (6, 100%), *Lophostemon suaveolens* (24, 67%), *Angophora leiocarpa* (28, 33%), *Corymbia citriodora* subsp. *variegata* (1, 17%), *Corymbia tessellaris* (5, 17%), *Eucalyptus acmenoides* (10, 17%), *Eucalyptus exserta* (2, 17%), *Melaleuca quinquenervia* (17%)

Stratum: T2

Height avg. = 10.2m, range 4-15m, 5 sites

Crown cover avg. = 31.6%, range 1.0-55.0%, 5 sites

Dominant species (relative cover, frequency): *Lophostemon suaveolens* (69, 50%), *Angophora leiocarpa* (14, 33%), *Eucalyptus propinqua* (5, 33%)

Frequent species (cover, frequency): *Lophostemon suaveolens* (32, 50%), *Angophora leiocarpa* (8, 33%), *Eucalyptus propinqua* (3, 33%), *Acacia disparrima* subsp. *disparrima* (5, 17%), *Acacia leiocalyx* (5, 17%), *Banksia integrifolia* (10, 17%), *Corymbia intermedia* (20, 17%), *Grevillea banksii* (17%), *Melaleuca quinquenervia* (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

Stratum: S1

Height avg. = 2.4m, range 2-3m, 5 sites

Crown cover avg. = 14.8%, range 4.0-40.0%, 5 sites

Dominant species (relative cover, frequency): *Acacia disparrima* subsp. *disparrima* (47, 67%), *Acacia leiocalyx* (33, 67%), *Alphitonia excelsa* (19, 67%), *Eucalyptus exserta* (13, 33%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (4, 67%), *Acacia leiocalyx* (6, 67%), *Alphitonia excelsa* (3, 67%), *Eucalyptus exserta* (1, 33%), *Allocasuarina littoralis* (10, 17%), *Angophora leiocarpa* (17%), *Banksia integrifolia* (10, 17%), *Corymbia tessellaris* (17%), *Lophostemon suaveolens* (1, 17%), *Persoonia stradbokensis* (1, 17%), *Petalostigma pubescens* (17%)

Stratum: G

Height avg. = 0.7m, range 0.4-1m, 6 sites

PFC avg. = 53.3%, range 10-80%, 6 sites

Dominant species (relative cover, frequency): *Themeda triandra* (44, 83%), *Imperata cylindrica* (32, 67%), *Heteropogon contortus* (30, 33%), *Cymbopogon refractus* (20, 33%), *Entolasia stricta* (6, 50%)

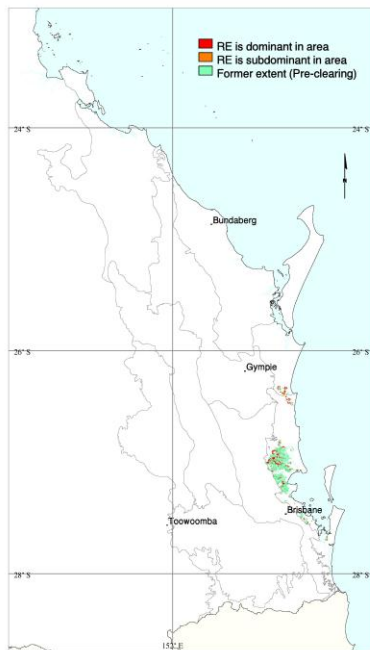
Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (19, 83%), *Imperata cylindrica* (18, 67%), *Entolasia stricta* (3, 50%), *Cymbopogon refractus* (13, 33%), *Digitaria parviflora* (33%), *Heteropogon contortus* (14, 33%), *Sporobolus indet.* (33%), *Alloteropsis semialata* (5, 17%), *Aristida personata* (17%), *Aristida queenslandica* (30, 17%), *Aristida vagans* (17%), *Bothriochloa decipiens* (25, 17%), *Chrysopogon sylvaticus* (17%), *Eremochloa bimaculata* (5, 17%), *Lepidosperma laterale* (17%), *Melinis repens** (1, 17%), *Panicum effusum* (5, 17%), *Paspalidium gausum* (1, 17%), *Paspalum dilatatum** (17%)

FORBS: *Goodenia rotundifolia* (50%), *Lomandra longifolia* (1, 50%), *Cheilanthes distans* (33%), *Lantana camara** (33%), *Xanthorrhoea johnsonii* (33%), *Alphitonia excelsa* (17%), *Brunoniella australis* (17%), *Dianella caerulea* (17%), *Dianella longifolia* (17%), *Dianella revoluta* (17%), *Gompholobium indet.* (17%), *Gonocarpus chinensis* subsp. *verrucosus* (17%), *Haloragis heterophylla* (17%), *Hibbertia stricta* (5, 17%), *Hybanthus stellarioides* (17%), *Lantana montevidensis** (17%), *Leptospermum polygalifolium* (17%), *Livistona decora* (17%), *Lomandra confertifolia* subsp. *pallida* (3, 17%), *Lomandra multiflora* (17%), *Passiflora suberosa** (1, 17%), *Pteridium esculentum* (5, 17%), *Pultenaea paleacea* (17%), *Pycnospora lutescens* (17%), *Velleia spathulata* (17%), *Xyris juncea* (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 racemosa woodland on remnant Tertiary surfaces

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 47,391 6,002 13%

Species recorded: Total: 208; woody: 58; ground: 163; Avg. spp./site: 35.5; std dev.: 5.8, 23 site(s)

Basal area: Avg./site: 22.8 m²/ha, range: 10.0 - 38 m²/ha, std. deviation: 6 m²/ha, 23 site(s)

Structural formation: Woodland: 39%; open-forest: 39%; open-woodland: 22%, 23 site(s)

Representative sites: 16445, 16494, 16500, 16507, 16512, 27428, 38324, 38327, 38544, 38866, 38868, 38880, 38895, 38897, 38898, 38906, 38908, 38910, 38912, 40845, 40846, 40848, 40850.

Stratum: T1

Height avg. = 23.7m, range 16-30m, 23 sites

Crown cover avg. = 37.4%, range 8.0-75.0%, 23 sites

Stem density/ha avg. = 160, range 20-400, 21 sites

Dominant species (relative cover, frequency): Eucalyptus racemosa subsp. racemosa (59, 96%), Corymbia intermedia (30, 78%), Eucalyptus microcorys (15, 22%), Lophostemon confertus (15, 26%), Eucalyptus siderophloia (9, 43%)

Frequent species (cover, frequency): Eucalyptus racemosa subsp. racemosa (19, 96%), Corymbia intermedia (11, 78%), Eucalyptus siderophloia (4, 43%), Angophora leiocarpa (35%), Lophostemon confertus (7, 26%), Eucalyptus microcorys (8, 22%), Eucalyptus seeana (17%), Angophora woodsiana (6, 13%), Eucalyptus resinifera (7, 13%), Lophostemon suaveolens (13%), Corymbia trachyphloia subsp. trachyphloia (10, 9%), Corymbia citriodora subsp. variegata (4%), Corymbia gummifera (30, 4%), Eucalyptus pilularis (18, 4%), Eucalyptus propinqua (3, 4%)

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. = 12.0m, range 4.5-16m, 23 sites

Crown cover avg. = 19.3%, range 2.0-50.0%, 23 sites

Stem density/ha avg. = 416, range 40-1733, 21 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (47, 26%), Corymbia intermedia (41, 70%), Lophostemon confertus (30, 30%), Lophostemon suaveolens (23, 43%), Eucalyptus racemosa subsp. racemosa (20, 61%)

Frequent species (cover, frequency): Corymbia intermedia (6, 70%), Eucalyptus racemosa subsp. racemosa (4, 61%), Lophostemon suaveolens (3, 43%), Angophora leiocarpa (3, 39%), Lophostemon confertus (9, 30%), Acacia disparrima subsp. disparrima (4, 26%), Allocasuarina littoralis (7, 26%), Eucalyptus siderophloia (1, 26%), Angophora woodsiana (5, 17%), Eucalyptus microcorys (7, 17%), Corymbia trachyphloia subsp. trachyphloia (1, 13%), Eucalyptus resinifera (3, 13%), Eucalyptus tindaliae (1, 13%), Acacia concurrens (3, 9%), Banksia integrifolia subsp. compar (8, 9%), Acacia complanata (4%), Acacia leiocalyx (11, 4%), Allocasuarina torulosa (6, 4%), Banksia integrifolia (1, 4%), Eucalyptus acmenoides (1, 4%), Eucalyptus seeana (2, 4%), Melaleuca quinquenervia (5, 4%), Persoonia stradbokensis (4%)

Stratum: T3

Height avg. = 7.0m, range 6-8m, 3 sites

Crown cover avg. = 14.3%, range 3.0-35.0%, 3 sites

Stem density/ha avg. = 253, range 160-440, 3 sites

Frequent species (cover, frequency): Acacia concurrens (4%), Acacia disparrima subsp. disparrima (1, 4%), Alphitonia excelsa (3, 4%), Angophora leiocarpa (1, 4%), Banksia aemula (30, 4%), Corymbia intermedia (4%), Eucalyptus racemosa subsp. racemosa (4%), Eucalyptus siderophloia (1, 4%), Leptospermum trinervium (5, 4%), Lophostemon confertus (2, 4%), Lophostemon suaveolens (4%)

Stratum: S1

Height avg. = 4.0m, range 1.5-5.5m, 23 sites

Crown cover avg. = 16.0%, range 3.0-50.0%, 23 sites

Stem density/ha avg. = 924, range 100-4800, 21 sites

Dominant species (relative cover, frequency): Lophostemon confertus (28, 48%), Banksia integrifolia subsp. compar (26, 22%), Lophostemon suaveolens (24, 48%), Acacia disparrima subsp. disparrima (24, 61%), Acacia leiocalyx (22, 22%)

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (5, 61%), Alphitonia excelsa (2, 57%), Lophostemon confertus (7, 48%), Lophostemon suaveolens (2, 48%), Allocasuarina littoralis (2, 35%), Eucalyptus racemosa subsp. racemosa (35%), Corymbia intermedia (1, 26%), Acacia concurrens (3, 22%), Acacia leiocalyx (6, 22%), Angophora leiocarpa (1, 22%), Banksia integrifolia subsp. compar (3, 22%), Leptospermum trinervium (3, 22%), Acacia leiocalyx subsp. leiocalyx (4, 17%), Eucalyptus siderophloia (1, 17%), Angophora woodsiana (1, 13%), Persoonia stradbokensis (3, 13%), Allocasuarina torulosa (6, 9%), Banksia integrifolia (1, 9%), Banksia oblongifolia (5, 9%), Banksia spinulosa (3, 9%), Eucalyptus resinifera (1, 9%), Eucalyptus tindaliae (9%), Glochidion sumatranum (1, 9%), Jacksonia scoparia (9%), Melaleuca linariifolia (1, 9%), Pinus elliottii (9%), Acacia complanata (3, 4%), Baccharis halimifolia* (1, 4%), Daviesia umbellulata (2, 4%), Elaeocarpus reticulatus (4%), Eucalyptus microcorys (1, 4%), Grevillea leiophylla (4%), Lantana camara var. camara (4%), Leptospermum polygalifolium (4%), Melaleuca quinquenervia (1, 4%), Melaleuca sieberi (2, 4%), Persoonia virgata (2, 4%), Petalostigma triloculare (4%), Pultenaea paleacea (1, 4%), Pultenaea villosa (5, 4%), Xanthorrhoea johnsonii (1, 4%), Xylomelum benthamii (4%)*

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. = 1.8m, range 0.8-2m, 16 sites

Crown cover avg. = 15.4%, range 6.0-40.0%, 16 sites

Stem density/ha avg. = 1575, range 700-2560, 12 sites

Dominant species (relative cover, frequency): *Alphitonia excelsa* (27, 57%), *Banksia integrifolia* subsp. *compar* (17, 30%), *Acacia disparrima* subsp. *disparrima* (15, 43%), *Lophostemon suaveolens* (15, 35%), *Acacia leiocalyx* subsp. *leiocalyx* (13, 35%)

Frequent species (cover, frequency): *Alphitonia excelsa* (4, 57%), *Acacia disparrima* subsp. *disparrima* (3, 43%), *Allocasuarina littoralis* (1, 39%), *Acacia leiocalyx* subsp. *leiocalyx* (4, 35%), *Jacksonia scoparia* (1, 35%), *Lophostemon suaveolens* (2, 35%), *Banksia integrifolia* subsp. *compar* (2, 30%), *Eucalyptus racemosa* subsp. *racemosa* (1, 30%), *Leptospermum trinervium* (2, 22%), *Corymbia intermedia* (17%), *Persoonia stradbokensis* (17%), *Angophora leiocarpa* (13%), *Hakea florulenta* (1, 13%), *Lophostemon confertus* (13%), *Xanthorrhoea latifolia* subsp. *latifolia* (6, 13%), *Acacia concurrens* (5, 9%), *Acacia fimbriata* (9%), *Lantana camara** (1, 9%), *Melaleuca linariifolia* (1, 9%), *Melaleuca quinquenervia* (1, 9%), *Petalostigma pubescens* (2, 9%), *Acacia leiocalyx* (5, 4%), *Acacia suaveolens* (1, 4%), *Allocasuarina torulosa* (1, 4%), *Boronia rosmarinifolia* (5, 4%), *Dodonaea triquetra* (10, 4%), *Elaeocarpus reticulatus* (4%), *Eucalyptus tindaliae* (4%), *Melaleuca sieberi* (4%), *Persoonia virgata* (5, 4%)

Stratum: G

Height avg. = 0.5m, range 0.3-1m, 23 sites

PFC avg. = 56.6%, range 22-85%, 23 sites

Dominant species (relative cover, frequency): *Themeda triandra* (27, 83%), *Lepidosperma laterale* var. *laterale* (27, 52%), *Entolasia stricta* (15, 96%), *Pteridium esculentum* (8, 78%), *Imperata cylindrica* (7, 87%)

Frequent species (cover, frequency): GRAMINOIDS: *Entolasia stricta* (8, 96%), *Imperata cylindrica* (6, 87%), *Themeda triandra* (17, 83%), *Alloteropsis semialata* (1, 57%), *Lepidosperma laterale* var. *laterale* (18, 52%), *Panicum effusum* (1, 43%), *Paspalidium distans* (39%), *Aristida warburgii* (35%), *Lepidosperma laterale* (2, 35%), *Panicum simile* (4, 30%), *Digitaria parviflora* (26%), *Cymbopogon refractus* (22%), *Eragrostis spartinoides* (22%), *Gahnia aspera* (17%), *Aristida benthamii* (1, 13%), *Digitaria breviglumis* (13%), *Eremochloa bimaculata* (1, 13%), *Ptilothrix deusta* (39, 13%), *Aristida queenslandica* var. *dissimilis* (9%), *Aristida queenslandica* var. *queenslandica* (9%), *Fimbristylis cinnamometorum* (9%), *Megathyrsus maximus** (3, 9%), *Melinis minutiflora** (9%), *Ottochloa nodosa* (1, 9%)

FORBS: *Pteridium esculentum* (5, 78%), *Lobelia purpurascens* (65%), *Desmodium rhytidophyllum* (52%), *Goodenia rotundifolia* (52%), *Hibbertia vestita* var. *vestita* (52%), *Lomandra multiflora* subsp. *multiflora* (1, 52%), *Cyanthillium cinereum* (43%), *Passiflora suberosa** (2, 43%), *Cassytha pubescens* (39%), *Eustrephus latifolius* (39%), *Tricoryne elatior* (39%), *Glycine clandestina* var. *clandestina* (35%), *Lomandra confertifolia* subsp. *pallida* (4, 35%), *Pimelea linifolia* subsp. *linifolia* (35%), *Lomandra longifolia* (3, 30%), *Schizaea bifida* (30%), *Phyllanthus virgatus* (26%), *Hibbertia vestita* (22%), *Boronia rosmarinifolia* (17%), *Crotalaria montana* (17%), *Geodorum densiflorum* (17%), *Glycine tabacina* (17%), *Gompholobium pinnatum* (17%), *Hibbertia stricta* (17%), *Lomatia silaifolia* (17%), *Patersonia sericea* var. *sericea* (2, 17%), *Pimelea linifolia* (17%), *Xanthorrhoea latifolia* subsp. *latifolia* (17%), *Cheilanthes distans* (13%), *Dianella revoluta* var. *revoluta* (13%), *Glycine clandestina* (13%), *Haemodorum austroqueenslandicum* (13%), *Monotoca scoparia* (13%), *Pseuderanthemum variabile* (13%), *Stackhousia viminea* (13%), *Xanthorrhoea latifolia* (6, 13%), *Acrotriche aggregata* (9%), *Alphitonia excelsa* (9%), *Bidens pilosa** (9%), *Brunoniella australis* (9%), *Cheilanthes tenuifolia* (1, 9%), *Flemingia parviflora* (9%), *Glossocardia bidens* (9%), *Glycine cyrtoloba* (1, 9%), *Hardenbergia violacea* (9%), *Lantana camara* var. *camara* (9%), *Laxmannia gracilis* (9%), *Persoonia tenuifolia* (9%), *Poranthera microphylla* (9%), *Sauropus hirtellus* (9%), *Schinus terebinthifolius** (9%), *Trachymene incisa* subsp. *incisa* (9%), *Velleia spathulata* (9%), *Xanthorrhoea johnsonii* (9, 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

***Corymbia intermedia*, *Eucalyptus seeana* +/- *E. racemosa*, *Angophora leiocarpa* open-woodland on remnant Tertiary surfaces occurring mainly to the south of Brisbane**


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 8,520 557 7%

Species recorded: Total: 82; woody: 22; ground: 64; Avg. spp./site: 41.0; std dev.: 5.4, 4 site(s)

Basal area: Avg./site: 21.0 m²/ha, range: 16.0 - 29 m²/ha, std. deviation: 5 m²/ha, 4 site(s)

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

Representative sites: 38405, 38724, 38913, 38914.

Stratum: T1

Height avg. = 23.5m, range 21-27m, 4 sites

Crown cover avg. = 14.3%, range 7.0-20.0%, 4 sites

Stem density/ha avg. = 135, range 80-200, 4 sites

Dominant species (relative cover, frequency): *Corymbia intermedia* (42, 100%), *Eucalyptus racemosa* subsp. *racemosa* (32, 100%), *Eucalyptus seeana* (24, 100%), *Eucalyptus tindaliae* (7, 25%), *Eucalyptus siderophloia* (1, 25%)

Frequent species (cover, frequency): *Corymbia intermedia* (6, 100%), *Eucalyptus racemosa* subsp. *racemosa* (6, 100%), *Eucalyptus seeana* (3, 100%), *Angophora leiocarpa* (50%), *Corymbia citriodora* subsp. *variegata* (25%), *Eucalyptus siderophloia* (25%), *Eucalyptus tindaliae* (1, 25%)

Stratum: T2

Height avg. = 12.6m, range 10.5-14m, 4 sites

Crown cover avg. = 9.0%, range 1.0-15.0%, 4 sites

Stem density/ha avg. = 413, range 140-840, 3 sites

Dominant species (relative cover, frequency): *Eucalyptus seeana* (43, 100%), *Corymbia intermedia* (26, 75%), *Lophostemon suaveolens* (20, 50%), *Eucalyptus racemosa* subsp. *racemosa* (18, 100%), *Angophora leiocarpa* (17, 50%)

Frequent species (cover, frequency): *Eucalyptus racemosa* subsp. *racemosa* (2, 100%), *Eucalyptus seeana* (3, 100%), *Corymbia intermedia* (3, 75%), *Acacia leiocalyx* subsp. *leiocalyx* (50%), *Angophora leiocarpa* (3, 50%), *Lophostemon suaveolens* (2, 50%), *Acacia disparrima* subsp. *disparrima* (25%), *Eucalyptus siderophloia* (25%), *Eucalyptus tindaliae* (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: T3

Height avg. = 5.3m, range 4-6.5m, 4 sites

Crown cover avg. = 17.0%, range 3.0-30.0%, 4 sites

Stem density/ha avg. = 1361, range 240-2022, 4 sites

Dominant species (relative cover, frequency): *Acacia leiocalyx* subsp. *leiocalyx* (29, 100%), *Eucalyptus seeana* (17, 75%), *Acacia disparrima* subsp. *disparrima* (17, 100%), *Alphitonia excelsa* (15, 100%), *Lophostemon suaveolens* (12, 75%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (4, 100%), *Acacia leiocalyx* subsp. *leiocalyx* (6, 100%), *Alphitonia excelsa* (3, 100%), *Corymbia intermedia* (75%), *Eucalyptus racemosa* subsp. *racemosa* (1, 75%), *Eucalyptus seeana* (3, 75%), *Lophostemon suaveolens* (1, 75%), *Allocasuarina littoralis* (50%), *Angophora leiocarpa* (2, 50%), *Angophora woodsiana* (25%), *Banksia integrifolia* subsp. *compar* (1, 25%), *Eucalyptus tindaliae* (25%)

Stratum: S1

Height avg. = 2.0m, range 1.9-2m, 4 sites

Crown cover avg. = 15.8%, range 5.0-28.0%, 4 sites

Stem density/ha avg. = 3312, range 1280-6267, 4 sites

Dominant species (relative cover, frequency): *Alphitonia excelsa* (38, 100%), *Ozothamnus diosmifolius* (36, 25%), *Acacia disparrima* subsp. *disparrima* (18, 100%), *Acacia leiocalyx* subsp. *leiocalyx* (18, 100%), *Jacksonia scoparia* (11, 75%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (3, 100%), *Acacia leiocalyx* subsp. *leiocalyx* (2, 100%), *Alphitonia excelsa* (5, 100%), *Allocasuarina littoralis* (1, 75%), *Jacksonia scoparia* (1, 75%), *Lophostemon suaveolens* (75%), *Corymbia intermedia* (50%), *Eucalyptus racemosa* subsp. *racemosa* (50%), *Eucalyptus seeana* (50%), *Petalostigma pubescens* (50%), *Angophora leiocarpa* (25%), *Angophora woodsiana* (25%), *Hakea florulenta* (25%), *Lantana camara* var. *camara* (25%), *Leptospermum trinervium* (2, 25%), *Melaleuca linariifolia* (25%), *Ozothamnus diosmifolius* (2, 25%), *Xanthorrhoea latifolia* subsp. *latifolia* (25%)

Stratum: G

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

PFC avg. = 52.5%, range 35-70%, 4 sites

Dominant species (relative cover, frequency): *Themeda triandra* (29, 75%), *Lepidosperma laterale* var. *laterale* (23, 75%), *Entolasia stricta* (21, 100%), *Imperata cylindrica* (18, 75%), *Ozothamnus diosmifolius* (13, 25%)

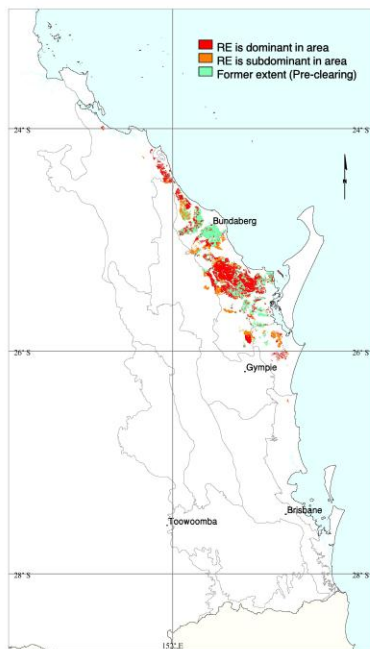
Frequent species (cover, frequency): GRAMINOIDS: *Alloteropsis semialata* (5, 100%), *Entolasia stricta* (10, 100%), *Cymbopogon refractus* (75%), *Gahnia aspera* (75%), *Imperata cylindrica* (11, 75%), *Lepidosperma laterale* var. *laterale* (11, 75%), *Panicum effusum* (75%), *Themeda triandra* (20, 75%), *Aristida queenslandica* var. *dissimilis* (50%), *Aristida vagans* (3, 50%), *Digitaria parviflora* (50%), *Digitaria ramularis* (50%), *Eragrostis spartinoides* (50%), *Eremochloa bimaculata* (50%), *Abildgaardia vaginata* (25%), *Aristida warburgii* (25%), *Digitaria breviglumis* (25%), *Eragrostis brownii* (25%), *Eriochloa fatmensis* (25%), *Megathyrsus maximus* var. *maximus** (25%), *Panicum decompositum* (25%), *Paspalidium disjunctum* (25%), *Paspalidium distans* (25%)

FORBS: *Cyanthillium cinereum* (100%), *Lobelia purpurascens* (100%), *Cheilanthes distans* (75%), *Desmodium rhytidophyllum* (75%), *Glycine clandestina* var. *clandestina* (75%), *Hibbertia vestita* var. *vestita* (75%), *Lomandra multiflora* subsp. *multiflora* (1, 75%), *Pteridium esculentum* (2, 75%), *Goodenia rotundifolia* (50%), *Opercularia diphylla* (50%), *Passiflora suberosa** (50%), *Phyllanthus virgatus* (50%), *Pimelea linifolia* subsp. *linifolia* (50%), *Sauropus hirtellus* (50%), *Trachymene incisa* subsp. *incisa* (50%), *Xanthorrhoea latifolia* subsp. *latifolia* (2, 50%), *Boronia rosmarinifolia* (25%), *Chrysocephalum apiculatum* (25%), *Dianella caerulea* (3, 25%), *Dipodium hamiltonianum* (25%), *Dipodium variegatum* (25%), *Epaltes australis* (25%), *Eustrephus latifolius* (25%), *Glossocardia bidens* (25%), *Glycine tabacina* (25%), *Gomphocarpus physocarpus** (25%), *Heliotropium amplexicaule** (25%), *Lantana camara* var. *camara* (25%), *Laxmannia gracilis* (25%), *Lomandra longifolia* (5, 25%), *Mentha diemenica* (25%), *Murdannia graminea* (25%), *Oxalis perennans* (25%), *Ozothamnus diosmifolius* (5, 25%), *Patersonia sericea* var. *sericea* (25%), *Petalostigma pubescens* (25%), *Polymeria calycina* (25%), *Poranthera microphylla* (25%), *Schizaea bifida* (25%), *Thysanotus tuberosus* (25%), *Tricoryne elatior* (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 spp., Corymbia spp., Melaleuca spp. woodland on complex of remnant Tertiary surfaces and Cainozoic and Mesozoic sediments

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 193,464 93,543 48%

Species recorded: Total: 155; woody: 48; ground: 123; Avg. spp./site: 27.2; std dev.: 5.5, 22 site(s)

Basal area: Avg./site: 13.9 m²/ha, range: 6.0 - 20 m²/ha, std. deviation: 3 m²/ha, 22 site(s)

Structural formation: Woodland: 64%; open-woodland: 23%; open-forest: 9%; low woodland: 5%, 22 site(s)

Representative sites: 13875, 13876, 13877, 13883, 13884, 13909, 14021, 14022, 14027, 14028, 14031, 14032, 14038, 14052, 14056, 14058, 14080, 14085, 14106, 15367, 31307, 31464.

Stratum: T1

Height avg. = 16.1m, range 9-22m, 22 sites

Crown cover avg. = 32.6%, range 11.0-60.0%, 22 sites

Stem density/ha avg. = 242, range 40-620, 12 sites

Dominant species (relative cover, frequency): *Corymbia trachyphloia* subsp. *trachyphloia* (48, 23%), *Eucalyptus latisinensis* (42, 77%), *Eucalyptus exserta* (40, 45%), *Corymbia intermedia* (26, 86%), *Angophora leiocarpa* (26, 50%)

Frequent species (cover, frequency): *Corymbia intermedia* (8, 86%), *Eucalyptus latisinensis* (13, 77%), *Angophora leiocarpa* (7, 50%), *Eucalyptus exserta* (9, 45%), *Corymbia trachyphloia* subsp. *trachyphloia* (22, 23%), *Lophostemon suaveolens* (2, 9%), *Allocasuarina torulosa* (2, 5%), *Eucalyptus crebra* (3, 5%), *Eucalyptus siderophloia* (5, 5%), *Eucalyptus tereticornis* (1, 5%), *Lophostemon confertus* (3, 5%)

Stratum: T2

Height avg. = 7.9m, range 4-15m, 13 sites

Crown cover avg. = 9.4%, range 2.0-40.0%, 13 sites

Stem density/ha avg. = 313, range 60-800, 6 sites

Dominant species (relative cover, frequency): *Melaleuca viridiflora* var. *viridiflora* (48, 36%)

Frequent species (cover, frequency): *Melaleuca viridiflora* var. *viridiflora* (8, 36%), *Lophostemon suaveolens* (3, 18%), *Eucalyptus latisinensis* (3, 14%), *Angophora leiocarpa* (2, 9%), *Corymbia intermedia* (1, 9%), *Eucalyptus exserta* (1, 9%), *Grevillea banksii* (9%), *Lophostemon confertus* (3, 9%), *Melaleuca cheelii* (3, 9%), *Acacia disparrima* subsp. *disparrima* (1, 5%), *Acacia flavescens* (1, 5%), *Acacia leiocalyx* (3, 5%), *Allocasuarina littoralis* (2, 5%), *Allocasuarina torulosa* (3, 5%), *Alphitonia excelsa* (5%), *Banksia integrifolia* (5%), *Casuarina glauca* (7, 5%), *Jacksonia scoparia* (5%), *Melaleuca nodosa* (3, 5%), *Melaleuca quinquenervia* (2, 5%), *Petalostigma pubescens* (5%), *Xylomelum salicinum* (2, 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. = 3.0m, range 2-4m, 19 sites

Crown cover avg. = 6.1%, range 1.0-20.0%, 20 sites

Stem density/ha avg. = 182, range 20-680, 10 sites

Dominant species (relative cover, frequency): *Acacia leiocalyx* (35, 55%), *Allocasuarina littoralis* (20, 41%), *Acacia flavescens* (18, 23%), *Grevillea banksii* (10, 36%), *Acacia disparrima* subsp. *disparrima* (8, 27%)

Frequent species (cover, frequency): *Acacia leiocalyx* (2, 55%), *Allocasuarina littoralis* (1, 41%), *Grevillea banksii* (1, 36%), *Acacia disparrima* subsp. *disparrima* (27%), *Alphitonia excelsa* (27%), *Jacksonia scoparia* (27%), *Acacia flavescens* (1, 23%), *Acacia leptocarpa* (18%), *Corymbia intermedia* (1, 14%), *Lophostemon confertus* (3, 14%), *Melaleuca viridiflora* var. *viridiflora* (1, 14%), *Angophora leiocarpa* (9%), *Banksia integrifolia* (1, 9%), *Cyclophyllum coprosmoides* (9%), *Lantana camara** (1, 9%), *Leptospermum trinervium* (2, 9%), *Lophostemon suaveolens* (1, 9%), *Melaleuca cheelii* (4, 9%), *Melaleuca quinquenervia* (9%), *Parsonia straminea* (9%), *Persoonia virgata* (9%), *Petalostigma pubescens* (9%), *Xylomelum benthamii* (2, 9%), *Xylomelum salicinum* (1, 9%), *Acacia attenuata* (6, 5%), *Acacia complanata* (5%), *Banksia oblongifolia* (5%), *Banksia robur* (5%), *Casuarina glauca* (7, 5%), *Cupaniopsis anacardioides* (5%), *Dodonaea viscosa* subsp. *burmanniana* (5%), *Endiandra sieberi* (1, 5%), *Eucalyptus exserta* (5%), *Eucalyptus latisinensis* (1, 5%), *Glochidion ferdinandi* (5%), *Ricinocarpos pinifolius* (5%)

Stratum: S2

Height avg. = 1.9m, range 1.5-2m, 5 sites

Crown cover avg. = 14.8%, range 2.0-55.0%, 5 sites

Stem density/ha avg. = 165, range 20-400, 4 sites

Frequent species (cover, frequency): *Acacia leiocalyx* (1, 14%), *Acacia disparrima* subsp. *disparrima* (9%), *Banksia oblongifolia* (5, 9%), *Jacksonia scoparia* (9%), *Acacia attenuata* (1, 5%), *Acacia flavescens* (1, 5%), *Acacia quadrilateralis* (5%), *Acacia ulicifolia* (5%), *Allocasuarina littoralis* (5%), *Alphitonia excelsa* (5%), *Angophora leiocarpa* (5%), *Cassytha pubescens* (5%), *Grevillea banksii* (5%), *Leptospermum polygalifolium* (15, 5%), *Leucopogon leptospermoides* (30, 5%), *Melaleuca cheelii* (1, 5%), *Petalostigma pubescens* (5%), *Phyllota phyllicoides* (5%), *Xylomelum benthamii* (1, 5%), *Xylomelum salicinum* (5%)

Stratum: G

Height avg. = 0.5m, range 0.3-1m, 22 sites

PFC avg. = 53.0%, range 15-75%, 22 sites

Stem density/ha avg. = 6550, range 2900-10200, 2 sites

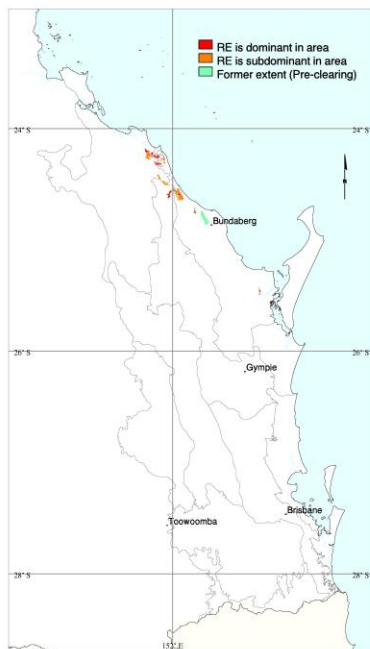
Dominant species (relative cover, frequency): *Eremochloa bimaculata* (39, 68%), *Themeda triandra* (38, 82%), *Eriachne pallescens* (23, 32%), *Xanthorrhoea johnsonii* (14, 55%), *Alloteropsis semialata* (13, 32%)

Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (21, 82%), *Eremochloa bimaculata* (20, 68%), *Entolasia stricta* (3, 50%), *Digitaria parviflora* (1, 36%), *Panicum effusum* (4, 36%), *Alloteropsis semialata* (6, 32%), *Aristida queenslandica* (2, 32%), *Eriachne pallescens* (6, 32%), *Eragrostis brownii* (1, 23%), *Fimbristylis cinnamometorum* (18%), *Imperata cylindrica* (18%), *Cymbopogon refractus* (14%), *Fimbristylis dichotoma* (9%), *Paspalidium distans* (9%)
FORBS: *Xanthorrhoea johnsonii* (7, 55%), *Dianella longifolia* (41%), *Goodenia rotundifolia* (41%), *Gompholobium pinnatum* (36%), *Desmodium rhytidophyllum* (32%), *Velleia spathulata* (32%), *Cyanthillium cinereum* (27%), *Xanthorrhoea latifolia* (2, 27%), *Lomandra multiflora* (23%), *Patersonia sericea* (23%), *Brunoniella australis* (18%), *Chorizema parviflorum* (18%), *Hibbertia vestita* (18%), *Phyllanthus virgatus* (18%), *Banksia oblongifolia* (12, 14%), *Caladenia carnea* (14%), *Emilia sonchifolia** (14%), *Glycine clandestina* (14%), *Goodenia delicata* (14%), *Hibbertia stricta* (14%), *Leucopogon leptospermoides* (14%), *Platysace linearifolia* (1, 14%), *Acrotriche aggregata* (9%), *Alphitonia excelsa* (9%), *Arthropodium milleflorum* (9%), *Breynia oblongifolia* (9%), *Caesia parviflora* (9%), *Crotalaria montana* (9%), *Daviesia umbellulata* (2, 9%), *Dianella caerulea* (9%), *Dianella rara* (9%), *Drosera peltata* (9%), *Flemingia parviflora* (9%), *Grevillea banksii* (9%), *Hardenbergia violacea* (9%), *Jacksonia scoparia* (9%), *Laxmannia gracilis* (9%), *Leptospermum polygalifolium* (17, 9%), *Leptospermum trinervium* (9%), *Lomandra filiformis* (9%), *Lomandra longifolia* (9%), *Lophostemon suaveolens* (9%), *Melaleuca nodosa* (1, 9%), *Monotoca scoparia* (9%), *Persoonia tenuifolia* (9%), *Pimelea linifolia* (9%), *Polygala japonica* (9%), *Pultenaea paleacea* var. *pauciflora* (1, 9%), *Strangea linearis* (2, 9%), *Zornia dyctiocarpa* (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 portuensis, Corymbia intermedia open-forest on remnant Tertiary surfaces. Usually deep red soils

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 7,181 4,883 68%

Species recorded: Total: 73; woody: 32; ground: 45; Avg. spp./site: 30.0; std dev.: 11.0, 5 site(s)

Basal area: Avg./site: 20.2 m²/ha, range: 12.0 - 31 m²/ha, std. deviation: 7 m²/ha, 5 site(s)

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

Representative sites: 13880, 13912, 14055, 14057, 31467.

Stratum: T1

Height avg. = 22.8m, range 17-26m, 5 sites

Crown cover avg. = 52.0%, range 30.0-65.0%, 5 sites

Stem density/ha avg. = 350, range 140-560, 2 sites

Dominant species (relative cover, frequency): Corymbia intermedia (54, 80%), Eucalyptus portuensis (36, 100%)

Frequent species (cover, frequency): Eucalyptus portuensis (18, 100%), Corymbia intermedia (26, 80%), Angophora leiocarpa (5, 20%), Corymbia trachyphloia subsp. trachyphloia (30, 20%), Eucalyptus siderophloia (30, 20%)

Stratum: T2

Height avg. = 7.8m, range 5-10m, 4 sites

Crown cover avg. = 10.8%, range 5.0-15.0%, 4 sites

Stem density/ha avg. = 470, range 240-700, 2 sites

Dominant species (relative cover, frequency): Lophostemon confertus (72, 40%), Eucalyptus portuensis (29, 40%)

Frequent species (cover, frequency): Eucalyptus portuensis (3, 40%), Lophostemon confertus (8, 40%), Acacia disparrima subsp. disparrima (20%), Acacia flavescens (2, 20%), Acronychia laevis (2, 20%), Allocasuarina torulosa (4, 20%), Alphitonia excelsa (7, 20%), Corymbia intermedia (2, 20%), Corymbia trachyphloia subsp. trachyphloia (1, 20%), Eucalyptus siderophloia (1, 20%), Lophostemon suaveolens (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

Stratum: S1

Height avg. = 2.5m, range 1.5-4m, 5 sites

Crown cover avg. = 13.0%, range 3.0-40.0%, 5 sites

Stem density/ha avg. = 1130, range 20-2240, 2 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (50, 40%), *Acacia complanata* (44, 40%), *Acacia disparrima* subsp. *disparrima* (16, 60%), *Acacia leiocalyx* (7, 80%), *Xylomelum benthamii* (3, 40%)

Frequent species (cover, frequency): *Acacia leiocalyx* (1, 80%), *Acacia disparrima* subsp. *disparrima* (1, 60%), *Acacia complanata* (3, 40%), *Acacia flavescens* (40%), *Acronychia imperforata* (40%), *Allocasuarina littoralis* (40%), *Alphitonia excelsa* (40%), *Lophostemon confertus* (2, 40%), *Myrsine variabilis* (40%), *Xylomelum benthamii* (40%), *Acacia penninervis* (4, 20%), *Acrotriche aggregata* (20%), *Allocasuarina torulosa* (5, 20%), *Alstonia constricta* (20%), *Alyxia ruscifolia* (20%), *Breynia oblongifolia* (20%), *Dodonaea triquetra* (30, 20%), *Eucalyptus portuensis* (2, 20%), *Eucalyptus siderophloia* (20%), *Glochidion lobocarpum* (20%), *Grevillea banksii* (20%), *Hibiscus heterophyllus* (20%), *Lantana camara** (20%), *Lophostemon suaveolens* (20%), *Pittosporum revolutum* (20%), *Pityrodia salviifolia* (20%), *Planchonia careya* (1, 20%), *Xanthorrhoea latifolia* (20%)

Stratum: G

Height avg. = 0.6m, range 0.5-1m, 5 sites

PFC avg. = 31.8%, range 4-60%, 5 sites

Dominant species (relative cover, frequency): *Themeda triandra* (42, 60%), *Xanthorrhoea latifolia* (31, 40%), *Imperata cylindrica* (20, 60%), *Eriachne pallescens* (17, 40%), *Entolasia stricta* (14, 80%)

Frequent species (cover, frequency): GRAMINOIDS: *Entolasia stricta* (2, 80%), *Imperata cylindrica* (8, 60%), *Themeda triandra* (20, 60%), *Eriachne pallescens* (6, 40%), *Allotriopsis semialata* (20%), *Cymbopogon refractus* (2, 20%), *Digitaria parviflora* (2, 20%), *Eremochloa bimaculata* (10, 20%), *Lepidosperma laterale* (20%), *Ottochloa gracillima* (6, 20%), *Panicum effusum* (2, 20%), *Paspalidium gausum* (20%), *Scleria sphacelata* (20%)

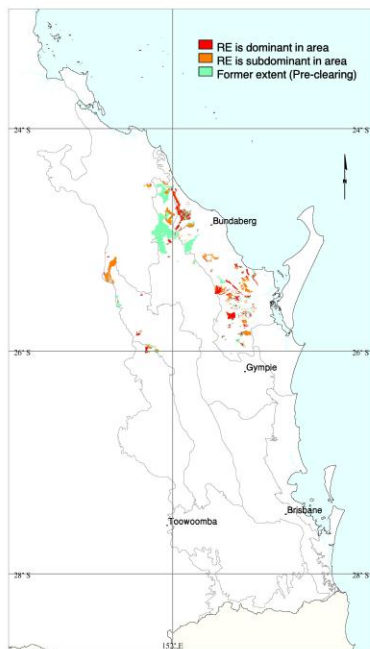
FORBS: *Eustrephus latifolius* (80%), *Clematicissus opaca* (60%), *Dianella caerulea* (60%), *Brunoniella australis* (40%), *Desmodium rhytidophyllum* (40%), *Flemingia parviflora* (40%), *Glycine clandestina* (40%), *Lomandra longifolia* (40%), *Xanthorrhoea johnsonii* (4, 40%), *Xanthorrhoea latifolia* (9, 40%), *Acrotriche aggregata* (1, 20%), *Angophora leiocarpa* (20%), *Brunoniella acaulis* (20%), *Cassytha filiformis* (20%), *Cassytha pubescens* (20%), *Chorizema parviflorum* (20%), *Corymbia intermedia* (20%), *Dioscorea transversa* (20%), *Embelia australiana* (20%), *Glycine tabacina* (20%), *Glycine tomentella* (20%), *Hardenbergia violacea* (20%), *Indigofera indet.* (20%), *Lomandra multiflora* (20%), *Parsonsia straminea* (20%), *Passiflora suberosa** (1, 20%), *Persoonia virgata* (20%), *Phyllanthus virgatus* (20%), *Polyscias elegans* (20%), *Poranthera microphylla* (20%), *Pteridium esculentum* (1, 20%), *Pycnospora lutescens* (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

***Corymbia citriodora* subsp. *variegata* +/- *Eucalyptus portuensis*, *E. fibrosa* subsp. *fibrosa* open-forest on remnant Tertiary surfaces. Usually deep red soils**



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 51,069 27,244 53%

Species recorded: Total: 128; woody: 41; ground: 102; Avg. spp./site: 34.4; std dev.: 8.2, 12 site(s)

Basal area: Avg./site: 20.8 m²/ha, range: 14.0 - 29 m²/ha, std. deviation: 5 m²/ha, 12 site(s)

Structural formation: Woodland: 50%; open-forest: 50%, 12 site(s)

Representative sites: 13885, 13886, 13887, 13890, 14035, 14051, 14053, 14071, 41003, 41004, 41005, 41006.

Stratum: T1

Height avg. = 24.3m, range 18-30m, 12 sites

Crown cover avg. = 53.6%, range 30.0-77.0%, 12 sites

Stem density/ha avg. = 253, range 160-340, 8 sites

Dominant species (relative cover, frequency): Eucalyptus fibrosa subsp. fibrosa (65, 50%), Corymbia citriodora subsp. variegata (32, 100%), Eucalyptus portuensis (31, 83%), Corymbia intermedia (11, 42%), Eucalyptus exserta (6, 25%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (16, 100%), Eucalyptus portuensis (16, 83%), Eucalyptus fibrosa subsp. fibrosa (38, 50%), Corymbia intermedia (5, 42%), Eucalyptus exserta (3, 25%), Amyema bifurcata (8%), Angophora leiocarpa (2, 8%), Corymbia trachyphloia subsp. trachyphloia (2, 8%), Eucalyptus latisinensis (4, 8%), Eucalyptus major (10, 8%), Eucalyptus siderophloia (8, 8%), Syncarpia glomulifera (1, 8%)

Stratum: T2

Height avg. = 12.3m, range 7-15m, 9 sites

Crown cover avg. = 10.4%, range 1.0-30.0%, 9 sites

Stem density/ha avg. = 327, range 40-1240, 6 sites

Dominant species (relative cover, frequency): Lophostemon confertus (81, 25%), Eucalyptus fibrosa subsp. fibrosa (61, 25%), Corymbia citriodora subsp. variegata (36, 42%), Eucalyptus portuensis (27, 33%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (2, 42%), Eucalyptus portuensis (2, 33%), Eucalyptus fibrosa subsp. fibrosa (2, 25%), Lophostemon confertus (18, 25%), Corymbia intermedia (2, 17%), Allocasuarina torulosa (2, 8%), Corymbia tessellaris (8%), Eucalyptus crebra (5, 8%), Eucalyptus exserta (1, 8%), Eucalyptus major (4, 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: T3

Height avg. = 4.6m, range 4-5m, 5 sites

Crown cover avg. = 13.2%, range 2.0-22.0%, 5 sites

Stem density/ha avg. = 785, range 480-1520, 4 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (73, 33%), *Corymbia citriodora* subsp. *variegata* (18, 25%)

Frequent species (cover, frequency): *Lophostemon confertus* (13, 33%), *Corymbia citriodora* subsp. *variegata* (25%), *Eucalyptus fibrosa* subsp. *fibrosa* (1, 17%), *Acacia disparrima* subsp. *disparrima* (5, 8%), *Acacia fimbriata* (1, 8%), *Acacia leiocalyx* (3, 8%), *Corymbia intermedia* (1, 8%), *Eucalyptus exserta* (2, 8%), *Eucalyptus portuensis* (8%), *Eucalyptus siderophloia* (8%)

Stratum: S1

Height avg. = 2.3m, range 1.5-4m, 10 sites

Crown cover avg. = 10.8%, range 3.0-25.0%, 12 sites

Stem density/ha avg. = 908, range 20-2280, 8 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (46, 67%), *Acacia leiocalyx* (27, 42%), *Acacia leiocalyx* subsp. *leiocalyx* (26, 58%), *Acacia fimbriata* (24, 25%), *Eucalyptus exserta* (15, 25%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (1, 67%), *Lophostemon confertus* (4, 67%), *Acacia leiocalyx* subsp. *leiocalyx* (3, 58%), *Alphitonia excelsa* (50%), *Acacia leiocalyx* (3, 42%), *Jacksonia scoparia* (1, 42%), *Acacia complanata* (1, 33%), *Acacia fimbriata* (4, 25%), *Acacia maidenii* (25%), *Eucalyptus exserta* (25%), *Acacia falcata* (17%), *Acacia leiocalyx* subsp. *herveyensis* (17%), *Corymbia intermedia* (17%), *Eucalyptus fibrosa* subsp. *fibrosa* (1, 17%), *Eucalyptus portuensis* (1, 17%), *Lantana camara** (17%), *Petalostigma pubescens* (17%), *Pogonolobus reticulatus* (17%), *Acacia penninervis* var. *penninervis* (7, 8%), *Angophora woodsiana* (8%), *Breynia oblongifolia* (8%), *Corymbia citriodora* subsp. *variegata* (8%), *Cyclophyllum coprosmoides* var. *coprosmoides* (8%), *Eucalyptus moluccana* (8%), *Eucalyptus siderophloia* (8%), *Grevillea banksii* (1, 8%), *Jagera pseudorhus* (8%), *Lophostemon suaveolens* (8%), *Petalostigma triloculare* (8%), *Polyscias elegans* (8%), *Pultenaea villosa* (2, 8%), *Xanthorrhoea latifolia* (8%)

Stratum: G

Height avg. = 0.5m, range 0.2-0.8m, 12 sites

PFC avg. = 37.8%, range 5-70%, 12 sites

Dominant species (relative cover, frequency): *Pultenaea spinosa* (38, 25%), *Arundinella nepalensis* (33, 25%), *Eremochloa bimaculata* (29, 58%), *Themeda triandra* (26, 83%), *Xanthorrhoea johnsonii* (16, 33%)

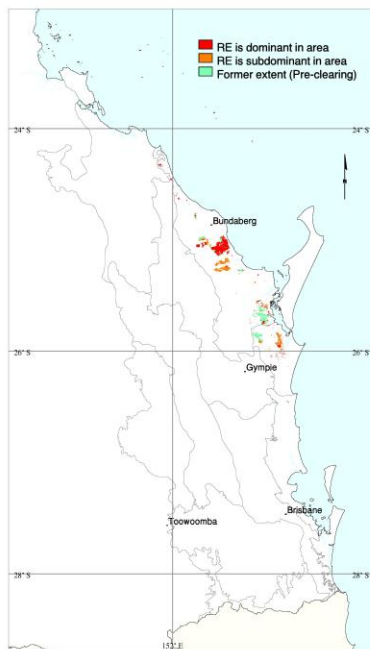
Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (8, 83%), *Entolasia stricta* (2, 67%), *Aristida queenslandica* (1, 58%), *Cymbopogon refractus* (3, 58%), *Eremochloa bimaculata* (17, 58%), *Imperata cylindrica* (42%), *Eragrostis brownii* (1, 33%), *Gahnia aspera* (33%), *Panicum effusum* (1, 33%), *Aristida vagans* (1, 25%), *Arundinella nepalensis* (17, 25%), *Chrysopogon fallax* (5, 25%), *Enteropogon unispiceus* (25%), *Paspalidium distans* (1, 25%), *Aristida gracilipes* (4, 17%), *Aristida indet.* (17%), *Aristida queenslandica* var. *queenslandica* (1, 17%), *Digitaria breviglumis* (17%), *Digitaria parviflora* (17%), *Digitaria ramularis* (17%), *Aristida benthamii* (8%), *Capillipedium spicigerum* (8%), *Chrysopogon sylvaticus* (5, 8%), *Eragrostis spartinoides* (8%), *Fimbristylis dichotoma* (8%), *Melinis minutiflora** (1, 8%), *Melinis repens** (8%), *Microlaena stipoides* (1, 8%), *Oplismenus aemulus* (8%), *Panicum mitchellii* (8%), *Scleria brownii* (8%), *Sporobolus laxis* (8%)

FORBS: *Desmodium rhytidophyllum* (75%), *Eustrephus latifolius* (75%), *Dianella caerulea* (58%), *Lomandra multiflora* (58%), *Dianella longifolia* (42%), *Glycine clandestina* (42%), *Goodenia rotundifolia* (42%), *Lomandra confertifolia* subsp. *pallida* (1, 42%), *Brunoniella australis* (33%), *Flemingia parviflora* (33%), *Pseuderanthemum variabile* (33%), *Xanthorrhoea johnsonii* (2, 33%), *Cyanthillium cinereum* (25%), *Hardenbergia violacea* (25%), *Lomandra longifolia* (25%), *Passiflora suberosa** (25%), *Pultenaea spinosa* (20, 25%), *Xanthorrhoea latifolia* (25%), *Acrotriche aggregata* (1, 17%), *Cheilanthes sieberi* (17%), *Eucalyptus fibrosa* subsp. *fibrosa* (1, 17%), *Galactia tenuiflora* (17%), *Glycine cyrtoloba* (17%), *Lobelia purpurascens* (1, 17%), *Lomandra filiformis* (1, 17%), *Marsdenia brevis* (17%), *Phyllanthus virgatus* (17%), *Acacia disparrima* subsp. *disparrima* (8%), *Acacia leiocalyx* subsp. *leiocalyx* (1, 8%), *Acacia maidenii* (8%), *Alphitonia excelsa* (8%), *Amyema bifurcata* (8%), *Angophora woodsiana* (1, 8%), *Anisomeles malabarica* (8%), *Bidens pilosa** (8%), *Brunoniella acaulis* (8%), *Cassytha filiformis* (8%), *Cassytha pubescens* (8%), *Chamaecrista concinna* (8%), *Cheilanthes tenuifolia* (8%), *Chorizema parviflorum* (8%), *Chrysocephalum apiculatum* (8%), *Conyza canadensis** (8%), *Crassocephalum crepidioides** (8%), *Crotalaria montana* (8%), *Cyclophyllum coprosmoides* var. *coprosmoides* (8%), *Desmodium varians* (8%), *Emilia sonchifolia** (8%), *Eucalyptus exserta* (8%), *Evolvulus alsinoides* (8%), *Glycine tabacina* (8%), *Goodenia hederacea* (8%), *Hibbertia sericea* (8%), *Indigofera indet.* (8%), *Jacksonia scoparia* (8%), *Lantana camara** (8%), *Laxmannia gracilis* (8%), *Lophostemon confertus* (8%), *Oxalis indet.* (8%), *Parsonia straminea* (8%), *Passiflora aurantia* (8%), *Peripleura sericea* (8%), *Petalostigma pubescens* (8%), *Polygala japonica* (8%), *Pultenaea villosa* (12, 8%), *Rhynchosia minima* (8%), *Spermacoce multicaulis* (8%), *Tephrosia filipes* (8%), *Velleia spathulata* (8%), *Wikstroemia indica* (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

Banksia aemula low open-woodland on complex of remnant Tertiary surface and Tertiary sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 25,610 15,605 61%

Species recorded: Total: 50; woody: 30; ground: 26; Avg. spp./site: 18.5; std dev.: 6.5, 4 site(s)

Basal area: Avg./site: 7.3 m²/ha, range: 5.0 - 13 m²/ha, std. deviation: 3 m²/ha, 4 site(s)

Structural formation: Low open-woodland: 50%; woodland: 25%; low woodland: 25%, 4 site(s)

Representative sites: 13874, 13881, 14045, 14094.

Stratum: E

Height avg. = 14.5m, range 14-15m, 2 sites

Crown cover avg. = 2.0%, range 1.0-3.0%, 2 sites

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): Eucalyptus robusta (100, 25%), Corymbia intermedia (100, 25%)

Frequent species (cover, frequency): Corymbia intermedia (1, 25%), Eucalyptus robusta (3, 25%)

Stratum: T1

Height avg. = 7.0m, range 5-9m, 4 sites

Crown cover avg. = 14.5%, range 8.0-20.0%, 4 sites

Stem density/ha avg. = 380, range 160-600, 2 sites

Dominant species (relative cover, frequency): Eucalyptus latissinensis (86, 75%), Banksia aemula (60, 50%), Corymbia trachyphloia subsp. trachyphloia (13, 25%), Syncarpia glomulifera (7, 25%), Viscum articulatum (1, 50%)

Frequent species (cover, frequency): Eucalyptus latissinensis (11, 75%), Banksia aemula (12, 50%), Dendrophthoe vitellina (50%), Viscum articulatum (50%), Corymbia trachyphloia subsp. trachyphloia (1, 25%), Syncarpia glomulifera (1, 25%)

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

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

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

Stratum: S1

Height avg. = 2.0m, range 2-2m, 4 sites

Crown cover avg. = 29.5%, range 3.0-60.0%, 4 sites

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): *Xylomelum benthamii* (67, 25%), *Leucopogon leptospermoides* (34, 25%), *Leptospermum polygalifolium* (26, 75%), *Baeckea frutescens* (24, 75%), *Leptospermum semibaccatum* (23, 50%)

Frequent species (cover, frequency): *Baeckea frutescens* (6, 75%), *Leptospermum polygalifolium* (10, 75%), *Acacia hubbardiana* (50%), *Leptospermum semibaccatum* (5, 50%), *Phyllota phyllicoides* (11, 50%), *Ricinocarpos pinifolius* (1, 50%), *Acacia attenuata* (2, 25%), *Acacia quadrilateralis* (25%), *Acrotriche aggregata* (25%), *Aotus lanigera* (25%), *Banksia aemula* (25%), *Banksia oblongifolia* (3, 25%), *Banksia robur* (1, 25%), *Cassytha filiformis* (25%), *Cassytha pubescens* (1, 25%), *Daviesia filipes* (25%), *Leptospermum trinervium* (25%), *Leucopogon leptospermoides* (21, 25%), *Melaleuca quinquenervia* (25%), *Micromyrtus littoralis* (25%), *Persoonia virgata* (1, 25%), *Xylomelum benthamii* (1, 25%), *Zieria laxiflora* (25%)

Stratum: G

Height avg. = 0.7m, range 0.5-0.8m, 4 sites

PFC avg. = 14.5%, range 3-30%, 4 sites

Dominant species (relative cover, frequency): *Balioskion pallens* (97, 25%), *Themeda triandra* (54, 25%), *Homoranthus virgatus* (43, 25%), *Leucopogon leptospermoides* (35, 75%), *Phyllota phyllicoides* (14, 50%)

Frequent species (cover, frequency): GRAMINOIDS: *Caustis recurvata* (75%), *Alloteropsis semialata* (25%), *Entolasia stricta* (25%), *Imperata cylindrica* (25%), *Schoenus calostachyus* (25%), *Themeda triandra* (8, 25%)

FORBS: *Leucopogon leptospermoides* (4, 75%), *Cassytha pubescens* (50%), *Monotoca scoparia* (50%), *Ochrosperma lineare* (50%), *Phyllota phyllicoides* (2, 50%), *Balioskion pallens* (3, 25%), *Banksia oblongifolia* (2, 25%), *Boronia rosmarinifolia* (25%), *Glycine clandestina* (25%), *Gompholobium pinnatum* (25%), *Hakea actites* (2, 25%), *Hibbertia indet.* (25%), *Homoranthus virgatus* (4, 25%), *Mallotus philippensis* (25%), *Olex retusa* (25%), *Persoonia virgata* (25%), *Strangea linearis* (25%), *Tricoryne elatior* (25%), *Xanthorrhoea johnsonii* (2, 25%), *Zieria laxiflora* (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

Syncarpia glomulifera woodland on complex of remnant Tertiary surface and Tertiary sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 9,378 2,847 30%

Species recorded: Total: 73; woody: 37; ground: 41; Avg. spp./site: 38.5; std dev.: 0.5, 3 site(s)

Basal area: Avg./site: 26.3 m²/ha, range: 23.0 - 28 m²/ha, std. deviation: 2 m²/ha, 3 site(s)

Structural formation: Woodland: 67%; open-forest: 33%, 3 site(s)

Representative sites: 13873, 13879, 13882.

Stratum: T1

Height avg. = 19.3m, range 15-25m, 3 sites

Crown cover avg. = 43.3%, range 30.0-60.0%, 3 sites

Stem density/ha avg. = 200, range 180-220, 2 sites

Dominant species (relative cover, frequency): Syncarpia glomulifera (56, 100%), Corymbia trachyphloia subsp. trachyphloia (45, 33%), Eucalyptus racemosa subsp. racemosa (40, 33%), Corymbia intermedia (17, 67%), Eucalyptus latisinensis (6, 67%)

Frequent species (cover, frequency): Syncarpia glomulifera (32, 100%), Corymbia intermedia (8, 67%), Eucalyptus latisinensis (3, 67%), Corymbia trachyphloia subsp. trachyphloia (27, 33%), Dendrophthoe vitellina (33%), Eucalyptus racemosa subsp. racemosa (16, 33%)

Stratum: T2

Height avg. = 7.7m, range 7-9m, 3 sites

Crown cover avg. = 6.0%, range 4.0-10.0%, 3 sites

Stem density/ha avg. = 70, range 40-100, 2 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (80, 33%), Melaleuca cheelii (61, 67%), Xylomelum benthamii (50, 33%), Melaleuca nodosa (24, 33%), Lophostemon suaveolens (20, 33%)

Frequent species (cover, frequency): Melaleuca cheelii (3, 67%), Allocasuarina littoralis (33%), Allocasuarina torulosa (8, 33%), Eucalyptus latisinensis (33%), Lophostemon suaveolens (2, 33%), Melaleuca nodosa (1, 33%), Xylomelum benthamii (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

Stratum: S1

Height avg. = 2.2m, range 2-2.5m, 3 sites

Crown cover avg. = 19.7%, range 12.0-27.0%, 3 sites

Stem density/ha avg. = 660, range 640-680, 2 sites

Dominant species (relative cover, frequency): *Acacia flavescens* (68, 33%), *Melaleuca nodosa* (59, 67%), *Acacia complanata* (23, 67%), *Xylomelum benthamii* (15, 33%), *Xanthorrhoea johnsonii* (9, 33%)

Frequent species (cover, frequency): *Acacia complanata* (3, 67%), *Acacia disparrima* subsp. *disparrima* (1, 67%), *Alphitonia excelsa* (1, 67%), *Leptospermum polygalifolium* (67%), *Melaleuca nodosa* (13, 67%), *Persoonia virgata* (67%), *Acacia flavescens* (14, 33%), *Acacia hubbardiana* (33%), *Acacia juncifolia* (33%), *Acacia leiocalyx* (33%), *Baeckea frutescens* (2, 33%), *Banksia integrifolia* (33%), *Boronia rosmarinifolia* (33%), *Breynia oblongifolia* (33%), *Cassytha pubescens* (33%), *Cyclophyllum coprosmoides* (33%), *Dodonaea triquetra* (33%), *Eucalyptus latisinensis* (33%), *Grevillea banksii* (33%), *Leptospermum trinervium* (2, 33%), *Leucopogon* sp. (Burrum Heads A.R.Bean 7802) (33%), *Oxylobium robustum* (33%), *Petalostigma pubescens* (33%), *Phyllota phyllicoides* (33%), *Xanthorrhoea johnsonii* (1, 33%), *Xylomelum benthamii* (3, 33%), *Zieria laxiflora* (33%), *Zieria smithii* (1, 33%)

Stratum: G

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

PFC avg. = 15.7%, range 7-30%, 3 sites

Dominant species (relative cover, frequency): *Eremochloa bimaculata* (92, 33%), *Xanthorrhoea johnsonii* (50, 67%), *Aristida warburgii* (32, 33%), *Entolasia stricta* (16, 67%), *Leptospermum polygalifolium* (6, 33%)

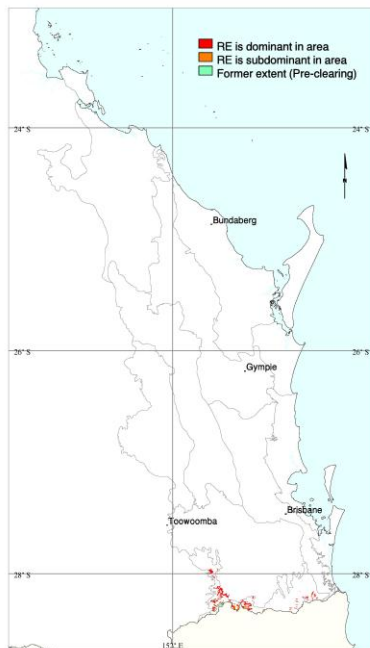
Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida queenslandica* (67%), *Entolasia stricta* (2, 67%), *Eriachne pallescens* (67%), *Aristida warburgii* (3, 33%), *Arundinella nepalensis* (33%), *Cymbopogon refractus* (33%), *Eremochloa bimaculata* (25, 33%), *Gahnia clarkei* (33%), *Imperata cylindrica* (33%), *Panicum effusum* (33%)

FORBS: *Hibbertia stricta* (67%), *Xanthorrhoea johnsonii* (2, 67%), *Acrotriche aggregata* (33%), *Banksia oblongifolia* (33%), *Brunoniella australis* (33%), *Cassytha pubescens* (33%), *Clematicissus opaca* (33%), *Cyanthillium cinereum* (33%), *Desmodium rhytidophyllum* (33%), *Dianella caerulea* (33%), *Dianella longifolia* (33%), *Eustrephus latifolius* (33%), *Flemingia parviflora* (33%), *Galactia tenuiflora* (33%), *Glycine clandestina* (33%), *Gompholobium pinnatum* (33%), *Goodenia rotundifolia* (33%), *Hibbertia linearis* var. *obtusifolia* (33%), *Leptospermum polygalifolium* (1, 33%), *Leucopogon leptospermoides* (33%), *Lomandra filiformis* (33%), *Mirbelia indet.* (33%), *Monotoca scoparia* (33%), *Persoonia virgata* (33%), *Phyllanthus virgatus* (33%), *Pinus elliottii** (33%), *Polygala linariifolia* (33%), *Pultenaea paleacea* var. *pauciflora* (33%), *Seringia corollata* (33%), *Xanthorrhoea latifolia* (33%), *Zieria laxiflora* (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 campanulata tall open-forest on Cainozoic igneous rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 11,723 9,982 85%

Species recorded: Total: 125; woody: 36; ground: 101; Avg. spp./site: 56.0; std dev.: 8.5, 4 site(s)

Basal area: Avg./site: 40.3 m²/ha, range: 30.0 - 53 m²/ha, std. deviation: 9 m²/ha, 4 site(s)

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

Representative sites: 19898, 19899, 19908, 19910.

Stratum: T1

Height avg. = 30.3m, range 22-36m, 4 sites

Crown cover avg. = 62.5%, range 60.0-70.0%, 4 sites

Stem density/ha avg. = 320, 1 site

Dominant species (relative cover, frequency): Eucalyptus campanulata (37, 100%), Syncarpia glomulifera (21, 75%), Eucalyptus acmenoides (17, 75%), Eucalyptus microcorys (16, 100%), Corymbia intermedia (13, 75%)

Frequent species (cover, frequency): Eucalyptus campanulata (22, 100%), Eucalyptus microcorys (10, 100%), Corymbia intermedia (8, 75%), Eucalyptus acmenoides (10, 75%), Syncarpia glomulifera (13, 75%), Allocasuarina torulosa (6, 50%), Eucalyptus carnea (7, 25%), Eucalyptus resinifera (3, 25%)

Stratum: T2

Height avg. = 15.0m, range 11-20m, 4 sites

Crown cover avg. = 11.5%, range 6.0-15.0%, 4 sites

Stem density/ha avg. = 480, 1 site

Dominant species (relative cover, frequency): Allocasuarina torulosa (65, 100%), Eucalyptus microcorys (50, 25%), Daviesia arborea (33, 25%), Corymbia intermedia (14, 75%), Syncarpia glomulifera (7, 25%)

Frequent species (cover, frequency): Allocasuarina torulosa (8, 100%), Corymbia intermedia (2, 75%), Acacia orites (25%), Austrobuxus swainii (25%), Daviesia arborea (5, 25%), Eucalyptus microcorys (3, 25%), Litsea reticulata (25%), Neolitsea dealbata (25%), Polyscias elegans (25%), Syncarpia glomulifera (1, 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. = 3.3m, range 3-4m, 4 sites

Crown cover avg. = 22.5%, range 10.0-40.0%, 4 sites

Stem density/ha avg. = 2000, 1 site

Dominant species (relative cover, frequency): *Lantana camara** (57, 50%), *Acacia binervata* (50, 25%), *Hovea impressinerva* (33, 25%), *Austrobuxus swainii* (30, 25%), *Dodonaea triquetra* (12, 25%)

Frequent species (cover, frequency): *Schizomeria ovata* (1, 100%), *Allocasuarina torulosa* (2, 75%), *Elaeocarpus reticulatus* (2, 50%), *Lantana camara** (15, 50%), *Trochocarpa laurina* (1, 50%), *Acacia binervata* (20, 25%), *Acacia maidenii* (25%), *Acacia orites* (3, 25%), *Austrobuxus swainii* (3, 25%), *Cassinia subtropica* (1, 25%), *Cryptocarya erythroxylon* (25%), *Cryptocarya microneura* (25%), *Cyathea australis* (25%), *Dodonaea triquetra* (5, 25%), *Duboisia myoporoides* (5, 25%), *Euroschinus falcatus* var. *angustifolius* (25%), *Euroschinus falcatus* var. *falcatus* (1, 25%), *Hovea impressinerva* (3, 25%), *Litsea australis* (1, 25%), *Logania albiflora* (1, 25%), *Persoonia media* (1, 25%), *Psychotria loniceroides* (25%), *Seringia arborescens* (25%), *Sloanea woollsii* (1, 25%), *Syncarpia glomulifera* (25%), *Synoum glandulosum* (2, 25%)

Stratum: G

Height avg. = 0.7m, range 0.6-0.9m, 4 sites

PFC avg. = 25.0%, range 20-35%, 4 sites

Dominant species (relative cover, frequency): *Calochlaena dubia* (41, 50%), *Xanthorrhoea latifolia* subsp. *maxima* (36, 25%), *Dicranopteris linearis* (34, 25%), *Blechnum cartilagineum* (31, 100%), *Arachniodes aristata* (13, 25%)

Frequent species (cover, frequency): GRAMINOIDS: *Entolasia stricta* (2, 100%), *Lepidosperma laterale* (75%), *Oplismenus imbecillis* (50%), *Gahnia sieberiana* (25%), *Lepidosperma indet.* (25%)

FORBS: *Blechnum cartilagineum* (10, 100%), *Cissus hypoglauca* (100%), *Dianella caerulea* (100%), *Hibbertia dentata* (100%), *Pseuderanthemum variabile* (100%), *Pteridium esculentum* (1, 100%), *Smilax australis* (100%), *Archontophoenix cunninghamiana* (75%), *Breynia oblongifolia* (75%), *Cordyline congesta* (75%), *Dioscorea transversa* (75%), *Echinostephia aculeata* (75%), *Geitonoplesium cymosum* (75%), *Lomandra longifolia* (75%), *Tripladenia cunninghamii* (75%), *Zieria minutiflora* subsp. *minutiflora* (75%), *Alphitonia excelsa* (50%), *Astrotricha latifolia* (50%), *Billardiera scandens* (50%), *Calochlaena dubia* (12, 50%), *Celastrus subspicata* (50%), *Clematicissus opaca* (50%), *Cryptocarya microneura* (50%), *Euroschinus falcatus* var. *falcatus* (50%), *Lomatia silaifolia* (50%), *Notelaea longifolia* (50%), *Persoonia media* (50%), *Pittosporum undulatum* (50%), *Polyscias sambucifolia* (50%), *Prostanthera ovalifolia* (50%), *Rubus moluccanus* var. *trilobus* (50%), *Sarcophytum stipata* (50%), *Solanum shirleyanum* (50%), *Synoum glandulosum* (50%), *Trochocarpa laurina* (50%), *Acacia ulicifolia* (25%), *Acmena smithii* (25%), *Acronychia laevis* (25%), *Acrotriche aggregata* (25%), *Ageratina riparia** (25%), *Alpinia caerulea* (1, 25%), *Arachniodes aristata* (5, 25%), *Archirhodomyrtus beckeri* (25%), *Asplenium australasicum* (25%), *Cissus antarctica* (25%), *Claoxylon australe* (25%), *Cordyline petiolaris* (25%), *Cyanthillium cinereum* (25%), *Cyathea australis* (25%), *Cyathea indet.* (25%), *Cyclophyllum coprosmoides* (25%), *Dicranopteris linearis* (8, 25%), *Diploglottis australis* (25%), *Doodia aspera* (2, 25%), *Duboisia myoporoides* (25%), *Elaeocarpus obovatus* (25%), *Elaeocarpus reticulatus* (25%), *Eupomatia laurina* (25%), *Glycine clandestina* (25%), *Gonocarpus oreophilus* (25%), *Goodenia rotundifolia* (25%), *Goodia lotifolia* (25%), *Guioa semiglaucula* (25%), *Gymnostachys anceps* (25%), *Helichrysum elatum* (25%), *Hibbertia aspera* (25%), *Hydrocotyle indet.* (25%), *Leptospermum indet.* (1, 25%), *Litsea leefeana* (25%), *Litsea reticulata* (25%), *Lobelia trigonocaulis* (25%), *Lomandra confertifolia* subsp. *pallida* (1, 25%), *Lomandra laxa* (25%), *Lomandra multiflora* subsp. *multiflora* (25%), *Myrsine variabilis* (25%), *Neolitsea dealbata* (25%), *Palmeria scandens* (25%), *Pandorea indet.* (25%), *Pandorea pandorana* (25%), *Parsonsia lanceolata* (25%), *Passiflora herbertiana* (25%), *Pilidiostigma glabrum* (25%), *Platycerium bifurcatum* (25%), *Polyscias murrayi* (25%), *Pomaderris argyrophylla* (25%), *Psychotria loniceroides* (25%), *Sarcopetalum harveyanum* (25%), *Senna pendula* var. *glabrata** (25%), *Seringia arborescens* (25%), *Smilax glycyphylla* (25%), *Solanum capsicoides** (25%), *Solanum stelligerum* (25%), *Stephania japonica* (25%), *Viola hederacea* (25%), *Xanthorrhoea latifolia* subsp. *maxima* (10, 25%), *Zieria smithii* (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 siderophloia, E. microcorys, Corymbia intermedia +/- E. propinqua, E. carnea open-forest on Cainozoic igneous rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 1,279 1,007 79%

Species recorded: Total: 117; woody: 20; ground: 100; Avg. spp./site: 60.7; std dev.: 9.5, 3 site(s)

Basal area: Avg./site: 26.3 m²/ha, range: 24.0 - 31 m²/ha, std. deviation: 3 m²/ha, 3 site(s)

Structural formation: Open-forest: 100%, 3 site(s)

Representative sites: 19832, 19901, 19916.

Stratum: T1

Height avg. = 25.0m, range 24-27m, 3 sites

Crown cover avg. = 61.7%, range 55.0-70.0%, 3 sites

Stem density/ha avg. = 320, range 160-400, 3 sites

Dominant species (relative cover, frequency): Eucalyptus siderophloia (56, 100%), Eucalyptus propinqua (38, 33%), Eucalyptus microcorys (19, 100%), Corymbia intermedia (10, 100%), Eucalyptus carnea (5, 33%)

Frequent species (cover, frequency): Corymbia intermedia (6, 100%), Eucalyptus microcorys (11, 100%), Eucalyptus siderophloia (35, 100%), Eucalyptus biturbinata (2, 33%), Eucalyptus carnea (3, 33%), Eucalyptus propinqua (23, 33%)

Stratum: T2

Height avg. = 8.0m, range 6-10m, 3 sites

Crown cover avg. = 5.3%, range 5.0-6.0%, 3 sites

Stem density/ha avg. = 793, range 80-1800, 3 sites

Dominant species (relative cover, frequency): Corymbia intermedia (78, 33%), Allocasuarina torulosa (50, 33%), Eucalyptus microcorys (40, 33%), Lophostemon confertus (37, 67%), Eucalyptus carnea (20, 33%)

Frequent species (cover, frequency): Eucalyptus siderophloia (1, 67%), Lophostemon confertus (2, 67%), Acacia disparrima subsp. disparrima (33%), Allocasuarina torulosa (3, 33%), Corymbia intermedia (4, 33%), Eucalyptus carnea (1, 33%), Eucalyptus microcorys (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.

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Stratum: S1

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

Crown cover avg. = 9.7%, range 6.0-13.0%, 3 sites

Stem density/ha avg. = 1567, range 800-2400, 3 sites

Dominant species (relative cover, frequency): *Lantana camara** (60, 67%), *Lophostemon confertus* (56, 33%), *Daviesia arborea* (40, 33%), *Acacia disparrima* subsp. *disparrima* (27, 33%), *Hovea acutifolia* (14, 33%)

Frequent species (cover, frequency): *Lantana camara** (6, 67%), *Mallotus philippensis* (1, 67%), *Acacia concurrens* (33%), *Acacia disparrima* subsp. *disparrima* (2, 33%), *Acacia maidenii* (33%), *Allocasuarina torulosa* (33%), *Claoxylon australe* (33%), *Daviesia arborea* (5, 33%), *Duboisia myoporoides* (33%), *Eucalyptus siderophloia* (33%), *Euroschinus falcatus* var. *angustifolius* (1, 33%), *Hovea acutifolia* (1, 33%), *Lophostemon confertus* (7, 33%), *Notelaea longifolia* (33%), *Rhodamnia rubescens* (1, 33%)

Stratum: G

Height avg. = 0.5m, range 0.3-0.7m, 3 sites

PFC avg. = 14.0%, range 10-20%, 3 sites

Dominant species (relative cover, frequency): *Melinis minutiflora** (63, 33%), *Ottochloa gracillima* (32, 100%), *Imperata cylindrica* (9, 100%), *Smilax australis* (8, 67%), *Lomandra longifolia* (4, 100%)

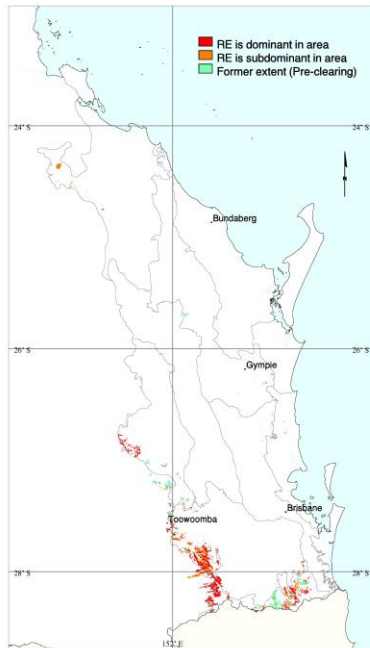
Frequent species (cover, frequency): GRAMINOIDS: *Cyperus laevis* (100%), *Imperata cylindrica* (2, 100%), *Ottochloa gracillima* (5, 100%), *Digitaria parviflora* (67%), *Microlaena stipoides* (67%), *Oplismenus imbecillis* (67%), *Scleria mackaviensis* (67%), *Cyperus enervis* (33%), *Entolasia whiteana* (33%), *Lepidosperma laterale* (33%), *Melinis minutiflora** (15, 33%), *Oplismenus aemulus* (33%)

FORBS: *Cayratia clematidea* (100%), *Clematicissus opaca* (100%), *Desmodium gunnii* (100%), *Desmodium rhytidophyllum* (100%), *Dianella caerulea* (100%), *Dioscorea transversa* (100%), *Eustrephus latifolius* (100%), *Glycine clandestina* (100%), *Lomandra longifolia* (1, 100%), *Oxalis chnoodes* (100%), *Sigesbeckia orientalis* (100%), *Adiantum hispidulum* (67%), *Ageratina adenophora** (67%), *Ageratina riparia** (67%), *Breynia oblongifolia* (67%), *Centratherum riparium* (67%), *Cissus antarctica* (67%), *Crassocephalum crepidioides** (67%), *Cyanthillium cinereum* (67%), *Geitonoplesium cymosum* (67%), *Hybanthus stellarioides* (67%), *Jagera pseudorhus* (67%), *Passiflora subpeltata** (67%), *Pellaea paradoxa* (67%), *Plectranthus parviflorus* (67%), *Pseuderanthemum variabile* (67%), *Psychotria daphnoides* (67%), *Smilax australis* (2, 67%), *Solanum nigrum* (67%), *Stephania japonica* (67%), *Wikstroemia indica* (67%), *Acacia maidenii* (33%), *Alphitonia excelsa* (33%), *Alpinia caerulea* (33%), *Asplenium australasicum* (33%), *Austrosteenisia blackii* (33%), *Bidens pilosa** (33%), *Billardiera scandens* (33%), *Brachychiton acerifolius* (33%), *Celastrus subspicata* (33%), *Cinnamomum camphora** (33%), *Commelina lanceolata* (33%), *Cordyline stricta* (33%), *Cryptocarya microneura* (33%), *Cymbidium madidum* (33%), *Davallia pyxidata* (33%), *Denhamia celastroides* (33%), *Derris involuta* (33%), *Doodia media* (33%), *Drypetes deplanchei* (33%), *Elaeocarpus obovatus* (33%), *Geranium solanderi* (33%), *Gomphocarpus physocarpus** (33%), *Guioa semiglaucula* (33%), *Hardenbergia violacea* (33%), *Indigofera australis* (33%), *Kennedia rubicunda* (33%), *Lantana camara** (33%), *Leucopogon juniperinus* (33%), *Lilium formosanum** (33%), *Lobelia purpurascens* (33%), *Lomandra confertifolia* subsp. *pallida* (33%), *Lomandra multiflora* subsp. *multiflora* (33%), *Macaranga tanarius* (33%), *Maytenus silvestris* (33%), *Myrsine variabilis* (33%), *Notelaea longifolia* (33%), *Olea paniculata* (33%), *Pandorea indet.* (33%), *Pandorea jasminoides* (33%), *Parsonsia lanceolata* (33%), *Passiflora suberosa** (33%), *Phyllanthus gunnii* (33%), *Physalis peruviana** (33%), *Pittosporum undulatum* (33%), *Polyscias sambucifolia* (33%), *Psychotria loniceroides* (33%), *Pteridium esculentum* (1, 33%), *Pyrrosia rupestris* (33%), *Rubus moluccanus* var. *trilobus* (33%), *Senna pendula* (33%), *Solanum mauritianum** (33%), *Solanum seafortianum** (33%), *Sonchus oleraceus** (33%), *Sterculia quadrifida* (33%), *Swainsona galegifolia* (33%), *Trema tomentosa* (33%), *Tripladenia cunninghamii* (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 eugenoides +/- E. biturbinata, E. melliodora woodland on Cainozoic igneous rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 69,571 43,041 62%

Species recorded: Total: 161; woody: 26; ground: 141; Avg. spp./site: 49.2; std dev.: 17.2, 8 site(s)

Basal area: Avg./site: 19.4 m²/ha, range: 14.0 - 27 m²/ha, std. deviation: 5 m²/ha, 8 site(s)

Structural formation: Woodland: 63%; open-forest: 38%, 8 site(s)

Representative sites: 15773, 15775, 15777, 15778, 15779, 15781, 19831, 19917.

Stratum: T1

Height avg. = 23.1m, range 18-28m, 8 sites

Crown cover avg. = 48.8%, range 27.0-75.0%, 8 sites

Stem density/ha avg. = 92, range 40-160, 5 sites

Dominant species (relative cover, frequency): Eucalyptus biturbinata (35, 75%), Eucalyptus eugenoides (33, 75%), Eucalyptus melliodora (27, 75%), Eucalyptus tereticornis (23, 63%), Corymbia intermedia (17, 25%)

Frequent species (cover, frequency): Eucalyptus biturbinata (19, 75%), Eucalyptus eugenoides (17, 75%), Eucalyptus melliodora (12, 75%), Eucalyptus tereticornis (10, 63%), Corymbia intermedia (8, 25%), Eucalyptus siderophloia (7, 25%), Angophora floribunda (1, 13%), Angophora subvelutina (4, 13%), Brachychiton populneus (13%), Eucalyptus crebra (7, 13%), Eucalyptus microcorys (7, 13%)

Stratum: T2

Height avg. = 13.3m, range 9-17m, 8 sites

Crown cover avg. = 19.4%, range 4.0-44.0%, 8 sites

Stem density/ha avg. = 148, range 20-320, 5 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (51, 63%), Angophora floribunda (25, 25%), Eucalyptus eugenoides (25, 63%), Eucalyptus melliodora (24, 75%), Eucalyptus biturbinata (22, 63%)

Frequent species (cover, frequency): Eucalyptus melliodora (5, 75%), Allocasuarina torulosa (6, 63%), Eucalyptus biturbinata (5, 63%), Eucalyptus eugenoides (6, 63%), Eucalyptus tereticornis (3, 63%), Angophora floribunda (6, 25%), Angophora subvelutina (4, 25%), Brachychiton populneus (2, 13%), Corymbia intermedia (1, 13%), Eucalyptus siderophloia (13%), Lophostemon confertus (1, 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: T3

Height avg. = 6.9m, range 5-10m, 6 sites

Crown cover avg. = 10.2%, range 5.0-17.0%, 6 sites

Stem density/ha avg. = 160, range 80-280, 3 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (65, 75%), Eucalyptus biturbinata (28, 25%), Eucalyptus tereticornis (25, 25%), Brachychiton populneus (1, 25%)

Frequent species (cover, frequency): Allocasuarina torulosa (7, 75%), Brachychiton populneus (25%), Eucalyptus biturbinata (2, 25%), Eucalyptus tereticornis (2, 25%), Angophora floribunda (1, 13%), Angophora subvelutina (7, 13%), Clerodendrum tomentosum (13%), Eucalyptus melliodora (3, 13%), Exocarpos cupressiformis (13%), Myrsine variabilis (13%)

Stratum: S1

Height avg. = 2.3m, range 1.5-3.5m, 7 sites

Crown cover avg. = 7.3%, range 1.0-23.0%, 7 sites

Stem density/ha avg. = 67, range 20-100, 3 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (49, 50%), Angophora subvelutina (26, 25%), Exocarpos cupressiformis (20, 38%), Acacia irrorata (17, 25%), Acacia maidenii (13, 38%)

Frequent species (cover, frequency): Allocasuarina torulosa (3, 50%), Acacia maidenii (2, 38%), Exocarpos cupressiformis (2, 38%), Acacia irrorata (2, 25%), Angophora subvelutina (1, 25%), Bursaria incana var. incana (15, 13%), Cassinia quinquefaria (13%), Dodonaea triquetra (13%), Eucalyptus biturbinata (1, 13%), Jacksonia scoparia (13%), Lantana camara (13%), Macaranga tanarius (13%), Solanum stelligerum (13%), Xanthorrhoea glauca (3, 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: G

Height avg. = 0.8m, range 0.5-1.2m, 8 sites

PFC avg. = 75.6%, range 30-95%, 8 sites

Dominant species (relative cover, frequency): Themeda triandra (37, 75%), Sarga leiocladum (25, 50%), Cymbopogon refractus (15, 75%), Bothriochloa decipiens (15, 38%), Oplismenus aemulus (12, 38%)

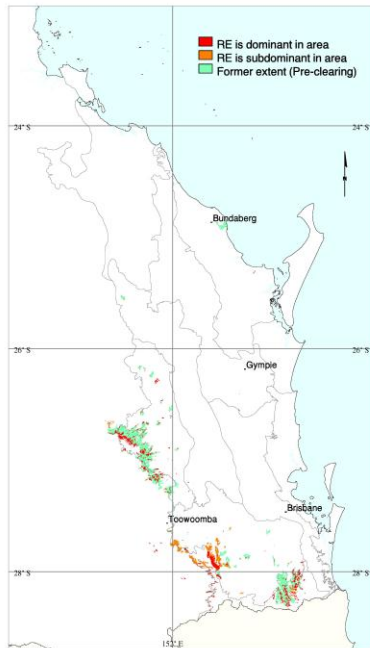
Frequent species (cover, frequency): GRAMINOIDS: Cymbopogon refractus (12, 75%), Themeda triandra (30, 75%), Lepidosperma laterale (1, 63%), Imperata cylindrica (5, 50%), Sarga leiocladum (22, 50%), Bothriochloa decipiens (11, 38%), Capillipedium spicigerum (38%), Dichelachne micrantha (1, 38%), Echinopogon ovatus (38%), Gahnia aspera (38%), Heteropogon contortus (7, 38%), Oplismenus aemulus (9, 38%), Sporobolus elongatus (1, 38%), Cenchrus caliculatus (25%), Dichanthium tenue (5, 25%), Digitaria parviflora (2, 25%), Elymus scaber (1, 25%), Paspalum scrobiculatum (1, 25%), Scleria mackaviensis (25%), Aristida personata (1, 13%), Carex appressa (13%), Carex breviculmis (13%), Chloris ventricosa (1, 13%), Cyperus laevis (13%), Dichanthium sericeum (2, 13%), Digitaria brownii (1, 13%), Digitaria ciliaris (1, 13%), Echinopogon nutans (1, 13%), Eragrostis spartanoides (1, 13%), Leptochloa decipiens (2, 13%), Melinis minutiflora* (5, 13%), Microlaena stipoides (13%), Oplismenus imbecillis (4, 13%), Panicum effusum (13%), Panicum simile (1, 13%), Paspalidium jubiflorum (1, 13%), Poa cheelii (3, 13%), Poa sieberiana (1, 13%), Poa sieberiana var. sieberiana (2, 13%)*

FORBS: Desmodium brachypodum (1, 100%), Eustrephus latifolius (88%), Hardenbergia violacea (88%), Cyathillium cinereum (75%), Desmodium varians (4, 63%), Dichondra repens (63%), Plectranthus parviflorus (1, 63%), Sigesbeckia orientalis (63%), Smilax australis (63%), Asperula conferta (4, 50%), Bidens pilosa (1, 50%), Desmodium gunnii (50%), Glycine clandestina (50%), Rubus parvifolius (1, 50%), Acacia maidenii (38%), Clematis glycinoides (1, 38%), Dianella caerulea (38%), Lespedeza juncea (1, 38%), Wedelia spilanthes (38%), Brachychiton populneus (1, 25%), Brunoniella australis (25%), Cirsium vulgare* (25%), Cissus antarctica (25%), Clematicissus opaca (25%), Crassocephalum crepidioides* (25%), Desmodium rhytidophyllum (25%), Eremophila debilis (25%), Euchiton involucratus (25%), Geranium solanderi (25%), Gomphocarpus physocarpus* (25%), Hypochaeris radicata* (25%), Indigofera australis (1, 25%), Indigofera brevidens (4, 25%), Lobelia purpurascens (25%), Lomandra longifolia (2, 25%), Passiflora subpeltata* (25%), Physalis peruviana* (25%), Plantago debilis (1, 25%), Scaevola albida (1, 25%), Solanum elegans (25%), Solanum nigrum (25%), Stephania japonica (25%), Verbena officinalis (25%), Wahlenbergia communis (1, 25%), Abutilon oxycarpum (13%), Adiantum aethiopicum (4, 13%), Adiantum hispidulum (13%), Ageratina adenophora* (13%), Ajuga australis (13%), Alphitonia excelsa (13%), Arthropodium milleflorum (1, 13%), Brachychiton populneus subsp. populneus (13%), Brachyscome microcarpa (13%), Breynia oblongifolia (13%), Bursaria incana var. incana (10, 13%), Cayratia clematidea (13%), Centratherum riparium (13%), Clerodendrum floribundum (13%), Commelina diffusa (1, 13%), Conyza bonariensis* (13%), Conyza canadensis* (1, 13%), Dendrobium speciosum (13%), Dianella brevipedunculata (1, 13%), Dianella longifolia (1, 13%), Dioscorea transversa (13%), Diplocyclos palmatus (13%), Doodia caudata (1, 13%), Exocarpos cupressiformis (3, 13%), Guioa semiglaucula (13%), Hibbertia scandens (2, 13%), Hybanthus stellarioides (13%), Jagera pseudorhus (13%), Lantana camara* (13%), Lomandra multiflora subsp. multiflora (13%), Mallotus philippensis (13%), Maytenus silvestris (1, 13%), Mentha diemenica (1, 13%), Myoporum montanum (13%), Pandorea pandorana (1, 13%), Phytolacca octandra* (13%), Pimelea neoanglica (13%), Pimelea trichostachya (1, 13%), Pseudognaphalium luteoalbum (13%), Psychotria daphnoides (13%), Pteridium esculentum (13%), Rhodanthe anthemoides (13%), Rostellularia adscendens (1, 13%), Senecio pinnatifolius (13%), Sida hackettiana (1, 13%), Solanum mauritianum* (13%), Sonchus oleraceus* (13%), Spermacoce brachystema (13%), Spermacoce multicaulis (1, 13%), Stephania japonica var. discolor (1, 13%), Swainsona galegifolia (13%), Tephrosia bidwillii (13%), Teucrium argutum var. argutum (1, 13%), Toona ciliata (13%), Trema tomentosa (13%), Wikstroemia indica (1, 13%), Xanthorrhoea glauca (13%), Xerochrysum bracteatum (13%)*

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

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

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

Eucalyptus crebra +/- E. melliodora, E. tereticornis woodland on Cainozoic igneous rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 112,419 32,857 29%

Species recorded: Total: 51; woody: 12; ground: 40; Avg. spp./site: 32.0; std dev.: 0.0, 3 site(s)

Basal area: Avg./site: 13.7 m²/ha, range: 8.0 - 18 m²/ha, std. deviation: 4 m²/ha, 3 site(s)

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

Representative sites: 15776, 15780, 15782.

Stratum: T1

Height avg. = 16.3m, range 14-18m, 3 sites

Crown cover avg. = 35.0%, range 21.0-43.0%, 3 sites

Stem density/ha avg. = 140, 1 site

Dominant species (relative cover, frequency): Eucalyptus melliodora (46, 67%), Eucalyptus albens (46, 33%), Eucalyptus tereticornis (41, 33%), Eucalyptus crebra (36, 100%), Angophora subvelutina (9, 33%)

Frequent species (cover, frequency): Eucalyptus crebra (15, 100%), Eucalyptus melliodora (15, 67%), Angophora subvelutina (2, 33%), Brachychiton populneus (1, 33%), Eucalyptus albens (10, 33%), Eucalyptus tereticornis (17, 33%)

Stratum: T2

Height avg. = 9.0m, range 6-12m, 3 sites

Crown cover avg. = 11.7%, range 9.0-14.0%, 3 sites

Stem density/ha avg. = 60, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (89, 33%), Eucalyptus albens (71, 33%), Eucalyptus tereticornis (41, 33%), Eucalyptus melliodora (27, 67%), Angophora subvelutina (16, 67%)

Frequent species (cover, frequency): Angophora subvelutina (2, 67%), Eucalyptus melliodora (4, 67%), Acacia maidenii (33%), Brachychiton populneus (33%), Corymbia intermedia (1, 33%), Eucalyptus albens (10, 33%), Eucalyptus crebra (8, 33%), Eucalyptus tereticornis (5, 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. = 2.0m, range 2-2m, 3 sites

Crown cover avg. = 2.3%, range 1.0-4.0%, 3 sites

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): *Exocarpos cupressiformis* (92, 67%), *Jacksonia scoparia* (91, 33%), *Xanthorrhoea glauca* (9, 33%), *Acacia maidenii* (4, 67%), *Eucalyptus melliodora* (3, 33%)

Frequent species (cover, frequency): *Acacia maidenii* (67%), *Exocarpos cupressiformis* (3, 67%), *Angophora subvelutina* (33%), *Cassinia quinquefaria* (33%), *Eucalyptus melliodora* (33%), *Jacksonia scoparia* (1, 33%), *Xanthorrhoea glauca* (33%)

Stratum: G

Height avg. = 0.8m, range 0.4-1.2m, 3 sites

PFC avg. = 76.7%, range 60-85%, 3 sites

Dominant species (relative cover, frequency): *Dichanthium sericeum* (38, 33%), *Themeda triandra* (35, 100%), *Bothriochloa decipiens* (17, 67%), *Capillipedium spicigerum* (17, 33%), *Dichanthium tenue* (12, 33%)

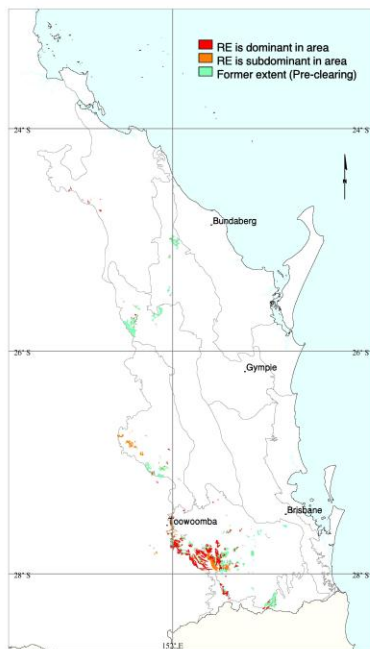
Frequent species (cover, frequency): GRAMINOIDS: *Cymbopogon refractus* (4, 100%), *Themeda triandra* (31, 100%), *Bothriochloa decipiens* (13, 67%), *Gahnia aspera* (1, 67%), *Heteropogon contortus* (4, 67%), *Sarga leiocladum* (6, 67%), *Sporobolus elongatus* (5, 67%), *Capillipedium spicigerum* (10, 33%), *Chloris truncata* (33%), *Dichanthium sericeum* (30, 33%), *Dichanthium tenue* (12, 33%), *Digitaria brownii* (33%), *Echinopogon nutans* var. *nutans* (33%), *Eragrostis leptostachya* (33%), *Eragrostis spartinoides* (33%), *Lepidosperma laterale* (33%), *Panicum effusum* (1, 33%), *Paspalum scrobiculatum* (2, 33%), *Poa labillardierei* (1, 33%)

FORBS: *Desmodium varians* (1, 100%), *Glycine clandestina* (100%), *Rostellularia adscendens* (100%), *Asperula conferta* (1, 67%), *Desmodium brachypodum* (4, 67%), *Lespedeza juncea* (67%), *Lomandra longifolia* (1, 67%), *Wahlenbergia communis* (67%), *Wedelia spilanthis* (1, 67%), *Chamaecrista nomame* var. *nomame* (33%), *Crotalaria incana* subsp. *incana** (33%), *Crotalaria montana* (1, 33%), *Cyanthillium cinereum* (33%), *Glossocardia bidens* (1, 33%), *Grewia latifolia* (33%), *Hardenbergia violacea* (1, 33%), *Indigofera brevifolia* (33%), *Plectranthus graveolens* (1, 33%), *Rhynchosia minima* (2, 33%), *Solanum indet.* (1, 33%), *Xanthorrhoea glauca* (33%)

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

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

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

Eucalyptus melanophloia +/- E. crebra, E. tereticornis, Corymbia tessellaris woodland on Cainozoic igneous rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 77,121 28,058 36%

Species recorded: Total: 87; woody: 28; ground: 61; Avg. spp./site: 46.0; std dev.: 0.0, 4 site(s)

Basal area: Avg./site: 10.0 m²/ha, range: 7.0 - 13 m²/ha, std. deviation: 2 m²/ha, 4 site(s)

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

Representative sites: 15537, 15774, 15784, 15787.

Stratum: T1

Height avg. = 16.1m, range 14.5-17m, 4 sites

Crown cover avg. = 30.5%, range 20.0-40.0%, 4 sites

Stem density/ha avg. = 160, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (65, 50%), Eucalyptus melliodora (29, 50%), Eucalyptus tereticornis (27, 75%), Eucalyptus melanophloia (23, 100%), Corymbia intermedia (16, 25%)

Frequent species (cover, frequency): Eucalyptus melanophloia (8, 100%), Eucalyptus tereticornis (9, 75%), Corymbia clarksoniana (2, 50%), Corymbia tessellaris (50%), Eucalyptus crebra (17, 50%), Eucalyptus melliodora (10, 50%), Angophora floribunda (2, 25%), Corymbia intermedia (5, 25%), Eucalyptus crebra x E.melanophloia (25%)

Stratum: T2

Height avg. = 7.8m, range 5-11m, 4 sites

Crown cover avg. = 17.0%, range 7.0-35.0%, 4 sites

Stem density/ha avg. = 420, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (57, 50%), Eucalyptus tereticornis (51, 50%), Angophora subvelutina (49, 25%), Eucalyptus melanophloia (31, 50%), Corymbia clarksoniana (29, 25%)

Frequent species (cover, frequency): Brachychiton populneus (50%), Eucalyptus crebra (14, 50%), Eucalyptus melanophloia (4, 50%), Eucalyptus tereticornis (5, 50%), Allocasuarina torulosa (25%), Angophora floribunda (2, 25%), Angophora subvelutina (9, 25%), Corymbia clarksoniana (2, 25%), Corymbia intermedia (5, 25%), Corymbia tessellaris (1, 25%), Eucalyptus crebra x E.melanophloia (2, 25%), Eucalyptus melliodora (3, 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. = 1.9m, range 1.7-2m, 4 sites

Crown cover avg. = 28.5%, range 9.0-63.0%, 4 sites

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): *Cassinia quinquefaria* (55, 25%), *Lantana camara** (47, 75%), *Exocarpos cupressiformis* (22, 25%), *Olearia elliptica* (22, 25%), *Jacksonia scoparia* (19, 50%)

Frequent species (cover, frequency): *Lantana camara** (15, 75%), *Acacia fimbriata* (5, 50%), *Choretrum candollei* (4, 50%), *Dodonaea viscosa* (3, 50%), *Jacksonia scoparia* (6, 50%), *Acacia maidenii* (25%), *Acacia salicina* (25%), *Brachychiton populneus* (3, 25%), *Cassinia quinquefaria* (5, 25%), *Dodonaea stenophylla* (2, 25%), *Eucalyptus albens* (2, 25%), *Exocarpos cupressiformis* (2, 25%), *Hovea lanceolata* (25%), *Olearia elliptica* (2, 25%), *Pittosporum spinescens* (1, 25%), *Santalum lanceolatum* (5, 25%), *Xanthorrhoea glauca* (1, 25%)

Stratum: G

Height avg. = 0.6m, range 0.5-0.7m, 4 sites

PFC avg. = 53.8%, range 35-75%, 4 sites

Dominant species (relative cover, frequency): *Poa sieberiana* var. *sieberiana* (36, 25%), *Dichanthium sericeum* (22, 50%), *Bothriochloa decipiens* (22, 75%), *Cymbopogon refractus* (20, 75%), *Aristida vagans* (20, 25%)

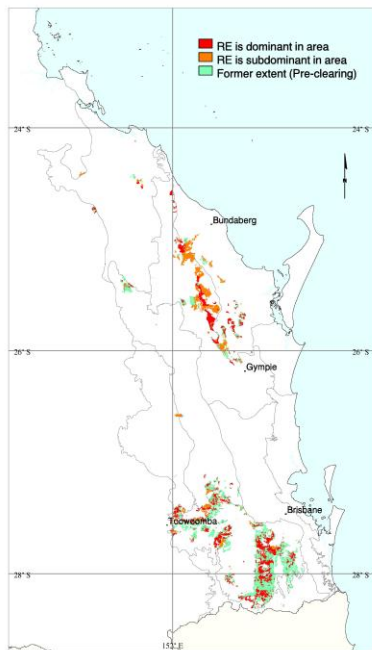
Frequent species (cover, frequency): GRAMINOIDS: *Bothriochloa decipiens* (11, 75%), *Cymbopogon refractus* (10, 75%), *Melinis repens** (3, 75%), *Aristida gracilipes* (4, 50%), *Cyperus fulvus* (50%), *Dichanthium sericeum* (13, 50%), *Gahnia aspera* (50%), *Heteropogon contortus* (8, 50%), *Themeda triandra* (9, 50%), *Aristida personata* (1, 25%), *Aristida vagans* (10, 25%), *Cenchrus caliculatus* (25%), *Chloris divaricata* (1, 25%), *Chloris gayana** (3, 25%), *Chloris truncata* (25%), *Cyperus gracilis* (1, 25%), *Eragrostis brownii* (25%), *Eragrostis leptostachya* (1, 25%), *Eragrostis spartinoides* (1, 25%), *Lepidosperma laterale* (2, 25%), *Panicum effusum* (1, 25%), *Paspalidium distans* (1, 25%), *Paspalidium jubiflorum* (1, 25%), *Poa sieberiana* (25%), *Poa sieberiana* var. *sieberiana* (12, 25%), *Sarga leiocladum* (2, 25%), *Sporobolus elongatus* (25%)

FORBS: *Opuntia tomentosa** (75%), *Asperula conferta* (50%), *Desmodium varians* (2, 50%), *Eremophila debilis* (50%), *Lespedeza juncea* (1, 50%), *Mentha diemenica* (50%), *Rhynchosia minima* var. *minima* (1, 50%), *Rostellularia adscendens* (1, 50%), *Zornia dyctiocarpa* (1, 50%), *Bidens pilosa** (2, 25%), *Breynia oblongifolia* (1, 25%), *Cheilanthes sieberi* (1, 25%), *Cirsium vulgare** (1, 25%), *Commelina diffusa* (1, 25%), *Conyza canadensis** (2, 25%), *Crotalaria montana* (25%), *Cyanthillium cinereum* (25%), *Desmodium brachypodum* (2, 25%), *Desmodium gunnii* (1, 25%), *Dianella caerulea* (1, 25%), *Dichondra repens* (1, 25%), *Eustrephus latifolius* (25%), *Galactia tenuiflora* (1, 25%), *Glossocardia bidens* (1, 25%), *Glycine clandestina* (25%), *Lomandra longifolia* (2, 25%), *Plectranthus graveolens* (25%), *Scaevola albida* (1, 25%), *Senecio quadridentatus* (1, 25%), *Sigesbeckia orientalis* (25%), *Tephrosia purpurea* var. *purpurea* (25%), *Wedelia spilanthis* (2, 25%), *Xanthorrhoea glauca* (25%), *Xerochrysum bracteatum* (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

Corymbia citriodora subsp. variegata +/- Eucalyptus crebra open-forest on sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 227,046 88,197 39%

Species recorded: Total: 175; woody: 59; ground: 125; Avg. spp./site: 28.2; std dev.: 7.7, 15 site(s)

Basal area: Avg./site: 16.0 m²/ha, range: 8.0 - 30 m²/ha, std. deviation: 5 m²/ha, 15 site(s)

Structural formation: Open-forest: 73%; woodland: 27%, 15 site(s)

Representative sites: 14276, 14283, 15472, 15476, 15477, 15480, 15481, 15482, 15483, 15518, 15525, 15528, 15786, 15795, 40825.

Stratum: T1

Height avg. = 21.2m, range 18-25m, 15 sites

Crown cover avg. = 53.5%, range 25.0-71.0%, 15 sites

Dominant species (relative cover, frequency): Corymbia citriodora subsp. variegata (65, 100%), Angophora leiocarpa (28, 27%), Eucalyptus crebra (25, 80%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (34, 100%), Eucalyptus crebra (14, 80%), Angophora leiocarpa (16, 27%), Eucalyptus tereticornis (3, 20%), Corymbia tessellaris (13%), Eucalyptus moluccana (16, 13%), Eucalyptus siderophloia (9, 13%), Allocasuarina torulosa (7%), Alphitonia excelsa (7%), Alstonia constricta (7%), Brachychiton populneus (7%), Eucalyptus melanophloia (3, 7%)

Stratum: T2

Height avg. = 12.9m, range 9-17m, 14 sites

Crown cover avg. = 19.9%, range 2.0-40.0%, 14 sites

Dominant species (relative cover, frequency): Corymbia citriodora subsp. variegata (42, 73%), Eucalyptus crebra (36, 67%), Angophora leiocarpa (18, 27%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (10, 73%), Eucalyptus crebra (6, 67%), Angophora leiocarpa (3, 27%), Alphitonia excelsa (1, 20%), Acacia disparrima subsp. disparrima (14, 13%), Corymbia intermedia (4, 13%), Corymbia tessellaris (4, 13%), Eucalyptus major (7, 13%), Lophostemon confertus (14, 13%), Acacia maidenii (7%), Allocasuarina torulosa (7%), Eucalyptus melanophloia (4, 7%), Eucalyptus moluccana (4, 7%), Eucalyptus siderophloia (2, 7%), Eucalyptus tereticornis (3, 7%), Notelaea longifolia (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: T3

Height avg. = 7.2m, range 5-10m, 6 sites

Crown cover avg. = 13.0%, range 8.0-20.0%, 6 sites

*Dominant species (relative cover, frequency): Eucalyptus crebra (57, 27%), Corymbia citriodora subsp. variegata (34, 33%)**Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (6, 33%), Eucalyptus crebra (5, 27%), Angophora leiocarpa (3, 13%), Acacia glaucocarpa (8, 7%), Allocasuarina luehmannii (13, 7%), Alphitonia excelsa (7%), Celastrus subspicata (7%), Corymbia tessellaris (1, 7%), Eucalyptus major (7, 7%)***Stratum: S1**

Height avg. = 2.5m, range 1.5-5m, 15 sites

Crown cover avg. = 21.6%, range 2.0-50.0%, 15 sites

Dominant species (relative cover, frequency): Acacia disparrima subsp. disparrima (48, 40%), Alphitonia excelsa (24, 53%), Acacia leiocalyx (20, 40%), Eucalyptus crebra (16, 27%), Lantana camara (12, 40%)**Frequent species (cover, frequency): Alphitonia excelsa (4, 53%), Corymbia citriodora subsp. variegata (1, 47%), Acacia disparrima subsp. disparrima (7, 40%), Acacia leiocalyx (4, 40%), Lantana camara* (4, 40%), Eucalyptus crebra (2, 27%), Jacksonia scoparia (1, 27%), Alstonia constricta (4, 20%), Angophora leiocarpa (1, 20%), Acacia falcata (9, 13%), Acacia fimbriata (15, 13%), Acacia glaucocarpa (4, 13%), Acacia maidenii (2, 13%), Choretrum candollei (13%), Corymbia tessellaris (13%), Eremophila debilis (13%), Maytenus cunninghamii (13%), Myoporum montanum (1, 13%), Pittosporum angustifolium (1, 13%), Acacia amblygona (8, 7%), Acacia concurrens (7%), Acacia decora (7%), Acacia implexa (7%), Acacia irrorata (8, 7%), Acacia loroloba (1, 7%), Acacia neriifolia (7%), Alectryon diversifolius (5, 7%), Allocasuarina littoralis (18, 7%), Allocasuarina torulosa (2, 7%), Astrotricha latifolia (5, 7%), Brachychiton populneus (1, 7%), Brachychiton rupestris (7, 7%), Breynia oblongifolia (2, 7%), Citrus australis (5, 7%), Corymbia intermedia (7%), Cupaniopsis parvifolia (7%), Daviesia ulicifolia (7%), Eucalyptus major (2, 7%), Eucalyptus moluccana (4, 7%), Eucalyptus tereticornis (7%), Flindersia australis (7%), Gomphocarpus physocarpus* (7%), Hovea lorata (2, 7%), Indigofera australis (8, 7%), Lophostemon confertus (20, 7%), Persoonia sericea (7%), Psydrax odorata (4, 7%), Psydrax odorata forma buxifolia (7%), Pultenaea euchila (2, 7%), Solanum ellipticum (7%), Solanum seafortianum* (7%), Swainsona galegifolia (7%), Wikstroemia indica (7%), Xanthorrhoea johnsonii (8, 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. = 0.6m, range 0.15-1m, 15 sites

PFC avg. = 47.2%, range 10-90%, 15 sites

Dominant species (relative cover, frequency): *Entolasia stricta* (33, 27%), *Cymbopogon refractus* (28, 67%), *Themeda triandra* (24, 67%), *Eremochloa bimaculata* (20, 33%), *Imperata cylindrica* (17, 27%)

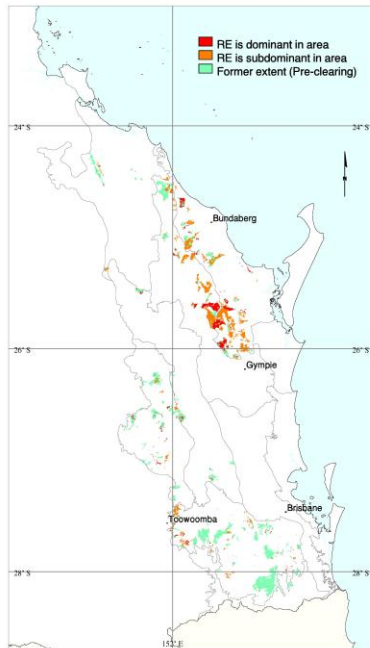
Frequent species (cover, frequency): GRAMINOIDS: *Cymbopogon refractus* (14, 67%), *Themeda triandra* (14, 67%), *Panicum effusum* (1, 60%), *Heteropogon contortus* (8, 47%), *Aristida vagans* (1, 40%), *Eragrostis brownii* (33%), *Eremochloa bimaculata* (5, 33%), *Entolasia stricta* (9, 27%), *Imperata cylindrica* (6, 27%), *Cyperus gracilis* (20%), *Eragrostis spartanoides* (2, 20%), *Bothriochloa decipiens* (1, 13%), *Capillipedium spicigerum* (13%), *Chloris divaricata* (20, 13%), *Digitaria breviglumis* (2, 13%), *Gahnia aspera* (1, 13%), *Melinis repens** (5, 13%), *Scleria mackaviensis* (13%), *Aristida calycina* (36, 7%), *Aristida gracilipes* (16, 7%), *Aristida indet.* (7%), *Aristida personata* (4, 7%), *Aristida queenslandica* var. *queenslandica* (7%), *Bothriochloa bladhii* (7%), *Cleistochloa rigida* (7%), *Cyperus aggregatus** (7%), *Dichanthium sericeum* (7%), *Digitaria didactyla** (7%), *Digitaria parviflora* (7%), *Eriachne glabrata* (7%), *Fimbristylis dichotoma* (7%), *Lepidosperma laterale* (2, 7%), *Megathyrsus maximus* var. *pubiglumis** (1, 7%), *Oplismenus aemulus* (7%), *Panicum decompositum* (5, 7%), *Paspalidium caespitosum* (7%), *Paspalidium distans* (7%), *Sarga leiocladum* (7%), *Scleria sphacelata* (7%), *Sporobolus elongatus* (1, 7%), *Urochloa foliosa* (1, 7%)

FORBS: *Cynanthium cinereum* (47%), *Dianella revoluta* (1, 47%), *Eustrephus latifolius* (47%), *Lantana camara** (5, 40%), *Glycine tabacina* (33%), *Peripleura hispidula* var. *hispidula* (33%), *Desmodium rhytidophyllum* (27%), *Eremophila debilis* (27%), *Lantana montevidensis** (3, 27%), *Brunoniella australis* (20%), *Chrysocephalum apiculatum* (20%), *Galactia tenuiflora* (20%), *Hardenbergia violacea* (20%), *Opuntia stricta** (20%), *Sida hackettiana* (3, 20%), *Achyranthes aspera* (2, 13%), *Bidens pilosa** (13%), *Desmodium gunnii* (13%), *Dianella caerulea* (13%), *Dianella indet.* (13%), *Gomphocarpus physocarpus** (13%), *Laxmannia gracilis* (13%), *Lobelia purpurascens* (13%), *Lomandra longifolia* (1, 13%), *Lomandra multiflora* (1, 13%), *Mentha diemenica* (1, 13%), *Opuntia tomentosa** (13%), *Passiflora subpeltata** (15, 13%), *Abutilon oxycarpum* forma *oxycarpum* (7%), *Acacia leiocalyx* (1, 7%), *Alphitonia excelsa* (7%), *Alstonia constricta* (1, 7%), *Asparagus africanus** (7%), *Breynia oblongifolia* (2, 7%), *Brunonia australis* (7%), *Cassytha pubescens* (7%), *Cheilanthes sieberi* (7%), *Cheilanthes tenuifolia* (7%), *Clematicissus opaca* (7%), *Conyza bonariensis** (7%), *Crotalaria montana* (7%), *Cynanchum bowmanii* (1, 7%), *Desmodium brachypodum* (7%), *Desmodium uncinatum** (7%), *Desmodium varians* (7%), *Dianella brevipedunculata* (1, 7%), *Dianella caerulea* var. *vannata* (7%), *Einadia hastata* (7%), *Glycine indet.* (7%), *Goodenia hederacea* (1, 7%), *Goodenia rotundifolia* (7%), *Grewia latifolia* (1, 7%), *Gymnostachys anceps* (7%), *Hibiscus sturtii* (1, 7%), *Hovea acutifolia* (7%), *Jasminum didymum* (7%), *Jasminum didymum* subsp. *lineare* (7%), *Jasminum suavissimum* (1, 7%), *Leucopogon juniperinus* (7%), *Lissanthe strigosa* (2, 7%), *Lomandra confertifolia* subsp. *pallida* (25, 7%), *Lomandra filiformis* (7%), *Monotoca scoparia* (7%), *Myoporum montanum* (7%), *Opuntia indet.* (7%), *Ozothamnus diosmifolius* (7%), *Passiflora suberosa** (7%), *Picris angustifolia* subsp. *carolorum-henricorum* (7%), *Plectranthus parviflorus* (7%), *Podolepis neglecta* (7%), *Pomax umbellata* (7%), *Pterocaulon redolens* (7%), *Pycnosorus chrysanthus* (7%), *Rhodanthe anthemoides* (7%), *Secamone elliptica* (1, 7%), *Sida cordifolia** (7%), *Sida rhombifolia** (7%), *Solanum nemophilum* (1, 7%), *Solanum stelligerum* (7%), *Stephania japonica* (7%), *Velleia paradoxa* (7%), *Velleia spathulata* (7%), *Wahlenbergia gracilis* (7%), *Wedelia spilanthis* (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 moluccana woodland on sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 96,974 28,927 30%

Species recorded: Total: 110; woody: 25; ground: 90; Avg. spp./site: 39.0; std dev.: 12.7, 5 site(s)

Basal area: Avg./site: 18.0 m²/ha, range: 16.0 - 22 m²/ha, std. deviation: 2 m²/ha, 5 site(s)

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

Representative sites: 13888, 15484, 15539, 38248, 38249.

Stratum: T1

Height avg. = 22.2m, range 19-25m, 5 sites

Crown cover avg. = 46.2%, range 25.0-75.0%, 5 sites

Stem density/ha avg. = 190, range 160-220, 2 sites

Dominant species (relative cover, frequency): Eucalyptus moluccana (83, 100%), Eucalyptus crebra (19, 80%)

Frequent species (cover, frequency): Eucalyptus moluccana (39, 100%), Eucalyptus crebra (7, 80%), Corymbia citriodora subsp. variegata (4, 20%), Eucalyptus exserta (1, 20%)

Stratum: T2

Height avg. = 8.5m, range 8-10m, 4 sites

Crown cover avg. = 16.0%, range 4.0-50.0%, 4 sites

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

Dominant species (relative cover, frequency): Eucalyptus moluccana (63, 80%), Eucalyptus crebra (13, 40%)

Frequent species (cover, frequency): Eucalyptus moluccana (8, 80%), Eucalyptus crebra (1, 40%), Allocasuarina littoralis (20%), Angophora leiocarpa (1, 20%), Brachychiton populneus (2, 20%), Eucalyptus fibrosa subsp. fibrosa (5, 20%), Eucalyptus major (25, 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 2-2.5m, 5 sites

Crown cover avg. = 13.4%, range 2.0-45.0%, 5 sites

Stem density/ha avg. = 190, range 140-240, 2 sites

Dominant species (relative cover, frequency): *Acacia leiocalyx* (41, 40%), *Lantana camara** (30, 40%), *Eucalyptus crebra* (29, 40%), *Eucalyptus moluccana* (10, 40%), *Alphitonia excelsa* (8, 80%)

Frequent species (cover, frequency): *Alphitonia excelsa* (80%), *Acacia leiocalyx* (2, 40%), *Eucalyptus crebra* (2, 40%), *Eucalyptus moluccana* (1, 40%), *Lantana camara** (13, 40%), *Acacia disparrima* subsp. *disparrima* (2, 20%), *Acacia fimbriata* (1, 20%), *Acacia glaucocarpa* (1, 20%), *Acacia leiocalyx* subsp. *leiocalyx* (9, 20%), *Acacia loroloba* (20%), *Acacia maidenii* (20%), *Alstonia constricta* (20%), *Aphananthe philippinensis* (20%), *Cassinia laevis* (2, 20%), *Dodonaea triangularis* (5, 20%), *Leucopogon juniperinus* (2, 20%), *Lophostemon confertus* (10, 20%), *Psydrax odorata* (20%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.6m, 5 sites

PFC avg. = 52.8%, range 30-95%, 5 sites

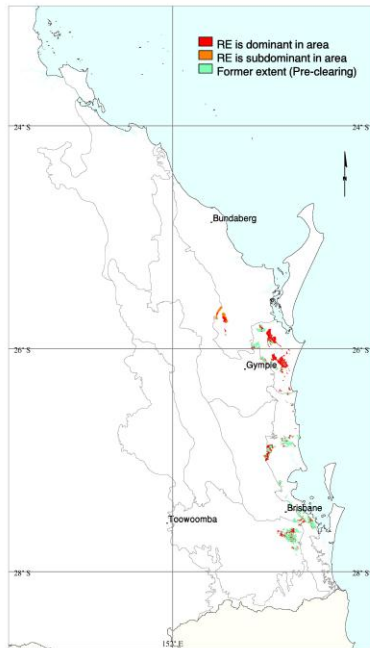
Dominant species (relative cover, frequency): *Eremochloa bimaculata* (36, 60%), *Aristida gracilipes* (16, 60%), *Cymbopogon refractus* (14, 100%), *Panicum simile* (8, 40%), *Aristida calycina* (7, 40%)

Frequent species (cover, frequency): GRAMINOIDS: *Cymbopogon refractus* (8, 100%), *Aristida gracilipes* (8, 60%), *Eremochloa bimaculata* (15, 60%), *Gahnia aspera* (1, 60%), *Aristida calycina* (4, 40%), *Chloris divaricata* (2, 40%), *Chrysopogon sylvaticus* (3, 40%), *Enteropogon unispiceus* (3, 40%), *Eragrostis brownii* (40%), *Panicum simile* (5, 40%), *Sporobolus creber* (40%), *Sporobolus elongatus* (40%), *Aristida benthamii* var. *benthamii* (3, 20%), *Aristida personata* (20%), *Aristida queenslandica* (20%), *Bothriochloa decipiens* (2, 20%), *Bothriochloa decipiens* var. *decipiens* (20%), *Chloris ventricosa* (85, 20%), *Cyperus aggregatus** (20%), *Cyperus gracilis* (20%), *Digitaria parviflora* (1, 20%), *Entolasia stricta* (3, 20%), *Eragrostis lacunaria* (2, 20%), *Eragrostis spartinoides* (20%), *Lepidosperma laterale* (1, 20%), *Panicum decompositum* (20%), *Paspalidium criniforme* (2, 20%), *Scleria mackaviensis* (20%), *Scleria sphacelata* (20%), *Tripogon loliiformis* (20%)
FORBS: *Cheilanthes sieberi* (60%), *Dianella revoluta* (60%), *Eremophila debilis* (60%), *Lobelia purpurascens* (60%), *Brunoniella australis* (40%), *Choretrum candollei* (2, 40%), *Cyanthillium cinereum* (40%), *Desmodium varians* (40%), *Dianella longifolia* (40%), *Dichondra repens* (40%), *Eustrephus latifolius* (40%), *Glycine tabacina* (40%), *Goodenia bellidifolia* (40%), *Grewia latifolia* (2, 40%), *Jasminum suavissimum* (40%), *Lomandra filiformis* (1, 40%), *Pittosporum viscidum* (40%), *Pomax umbellata* (40%), *Sida hackettiana* (40%), *Veronica plebeia* (40%), *Acacia glaucocarpa* (20%), *Alphitonia excelsa* (20%), *Alternanthera pungens** (20%), *Ambrosia artemisiifolia** (20%), *Breynia oblongifolia* (20%), *Cassinia laevis* (20%), *Chrysocephalum apiculatum* (20%), *Cyclophyllum coprosmoides* (1, 20%), *Desmodium gunnii* (20%), *Dianella caerulea* (20%), *Dodonaea triangularis* (1, 20%), *Einadia hastata* (1, 20%), *Einadia nutans* (20%), *Emilia sonchifolia** (20%), *Geitonoplesium cymosum* (20%), *Glossocardia bidens* (20%), *Glycine clandestina* (20%), *Heliotropium amplexicaule** (20%), *Hybanthus enneaspermus* (1, 20%), *Jasminum simplicifolium* subsp. *australiense* (20%), *Lantana camara** (15, 20%), *Laxmannia gracilis* (1, 20%), *Lomandra longifolia* (20%), *Lomandra multiflora* (20%), *Malvastrum americanum** (20%), *Maytenus bilocularis* (20%), *Mentha diemenica* (20%), *Opuntia stricta** (20%), *Parsonsia straminea* (20%), *Plectranthus parviflorus* (1, 20%), *Pterocaulon sphacelatum* (20%), *Richardia stellaris** (20%), *Rostellularia adscendens* (20%), *Schkuhria pinnata* var. *abrotanoides* (20%), *Sida corrugata* (20%), *Sida rhombifolia** (20%), *Sigesbeckia orientalis* (2, 20%), *Solanum ellipticum* (2, 20%), *Solanum nemophilum* (20%), *Vittadinia dissecta* var. *hirta* (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 racemosa subsp. racemosa woodland on sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 54,153 20,666 38%

Species recorded: Total: 200; woody: 52; ground: 163; Avg. spp./site: 35.4; std dev.: 5.2, 20 site(s)

Basal area: Avg./site: 23.9 m²/ha, range: 12.0 - 42 m²/ha, std. deviation: 9 m²/ha, 20 site(s)

Structural formation: Woodland: 75%; open-forest: 15%; open-woodland: 10%, 20 site(s)

Representative sites: 15506, 16446, 16451, 16472, 16516, 19740, 38444, 38445, 38726, 38744, 38745, 38746, 38747, 38882, 38885, 38886, 38887, 38892, 38909, 38911.

Stratum: T1

Height avg. = 23.2m, range 14-31.5m, 20 sites

Crown cover avg. = 38.0%, range 5.0-70.0%, 20 sites

Stem density/ha avg. = 154, range 40-320, 18 sites

Dominant species (relative cover, frequency): Eucalyptus racemosa subsp. racemosa (58, 100%), Corymbia intermedia (33, 65%), Angophora leiocarpa (9, 25%), Eucalyptus siderophloia (7, 35%), Angophora woodsiana (3, 25%)

Frequent species (cover, frequency): Eucalyptus racemosa subsp. racemosa (20, 100%), Corymbia intermedia (14, 65%), Eucalyptus siderophloia (2, 35%), Angophora leiocarpa (5, 25%), Angophora woodsiana (1, 25%), Eucalyptus microcorys (3, 20%), Eucalyptus resinifera (5, 20%), Eucalyptus tindaliae (15, 20%), Lophostemon suaveolens (5, 20%), Lophostemon confertus (8, 10%), Melaleuca quinquenervia (3, 10%), Corymbia trachyphloia subsp. trachyphloia (5%), Eucalyptus robusta x E.tereticornis (5, 5%)

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

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

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

Stratum: T2

Height avg. = 12.4m, range 6-16.5m, 17 sites

Crown cover avg. = 18.1%, range 5.0-40.0%, 18 sites

Stem density/ha avg. = 329, range 60-880, 17 sites

Dominant species (relative cover, frequency): *Angophora woodsiana* (31, 30%), *Corymbia intermedia* (30, 65%), *Allocasuarina littoralis* (25, 45%), *Eucalyptus racemosa* subsp. *racemosa* (18, 70%), *Eucalyptus siderophloia* (18, 25%)

Frequent species (cover, frequency): *Eucalyptus racemosa* subsp. *racemosa* (3, 70%), *Corymbia intermedia* (5, 65%), *Allocasuarina littoralis* (4, 45%), *Acacia disparrima* subsp. *disparrima* (1, 35%), *Angophora woodsiana* (6, 30%), *Lophostemon suaveolens* (2, 30%), *Eucalyptus siderophloia* (2, 25%), *Eucalyptus tindaliae* (2, 25%), *Melaleuca quinquenervia* (3, 25%), *Angophora leiocarpa* (2, 20%), *Lophostemon confertus* (4, 20%), *Banksia integrifolia* subsp. *compar* (1, 15%), *Eucalyptus resinifera* (1, 15%), *Eucalyptus microcorys* (10%), *Acacia concurrens* (5%), *Acacia leiocalyx* subsp. *leiocalyx* (2, 5%), *Alphitonia excelsa* (1, 5%), *Banksia integrifolia* subsp. *integrifolia* (10, 5%), *Corymbia trachyphloia* subsp. *trachyphloia* (10, 5%), *Melaleuca salicina* (3, 5%), *Persoonia stradbokensis* (5%)

Stratum: T3

Height avg. = 5.3m, range 3-9m, 4 sites

Crown cover avg. = 5.5%, range 1.0-11.0%, 4 sites

Stem density/ha avg. = 100, range 80-120, 2 sites

Frequent species (cover, frequency): *Corymbia intermedia* (5, 10%), *Lophostemon confertus* (1, 10%), *Allocasuarina littoralis* (1, 5%), *Banksia integrifolia* subsp. *integrifolia* (5, 5%), *Eucalyptus racemosa* subsp. *racemosa* (1, 5%), *Melaleuca quinquenervia* (3, 5%), *Syncarpia glomulifera* (1, 5%)

Stratum: S1

Height avg. = 4.1m, range 1.5-6.5m, 20 sites

Crown cover avg. = 15.7%, range 3.0-40.0%, 20 sites

Stem density/ha avg. = 876, range 240-2200, 16 sites

Dominant species (relative cover, frequency): *Allocasuarina littoralis* (37, 60%), *Alphitonia excelsa* (21, 50%), *Acacia leiocalyx* subsp. *leiocalyx* (20, 45%), *Acacia disparrima* subsp. *disparrima* (20, 65%), *Banksia integrifolia* subsp. *compar* (19, 35%)

Frequent species (cover, frequency): *Gahnia sieberiana* (1, 5%), *Acacia disparrima* subsp. *disparrima* (3, 65%), *Allocasuarina littoralis* (7, 60%), *Alphitonia excelsa* (4, 50%), *Acacia leiocalyx* subsp. *leiocalyx* (3, 45%), *Lophostemon suaveolens* (1, 40%), *Banksia integrifolia* subsp. *compar* (1, 35%), *Corymbia intermedia* (30%), *Eucalyptus racemosa* subsp. *racemosa* (1, 25%), *Eucalyptus siderophloia* (25%), *Acacia concurrens* (20%), *Angophora woodsiana* (3, 20%), *Lophostemon confertus* (2, 20%), *Petalostigma pubescens* (1, 20%), *Angophora leiocarpa* (1, 15%), *Eucalyptus resinifera* (15%), *Melaleuca quinquenervia* (2, 15%), *Allocasuarina torulosa* (1, 10%), *Banksia integrifolia* (3, 10%), *Corymbia trachyphloia* subsp. *trachyphloia* (1, 10%), *Glochidion ferdinandi* (2, 10%), *Leptospermum polygalifolium* (10%), *Leptospermum trinervium* (10%), *Melaleuca sieberi* (1, 10%), *Acacia flavescens* (2, 5%), *Acacia leiocalyx* (2, 5%), *Banksia spinulosa* (5, 5%), *Cinnamomum camphora** (1, 5%), *Endiandra sieberi* (20, 5%), *Eucalyptus microcorys* (5%), *Eucalyptus tindaliae* (5%), *Glochidion sumatranum* (5%), *Hakea florulenta* (5%), *Jacksonia scoparia* (5, 5%), *Jagera pseudorhus* (5%), *Lantana camara** (5, 5%), *Lantana camara* var. *camara* (5%), *Ochna serrulata** (1, 5%), *Parsonia straminea* (2, 5%), *Persoonia stradbokensis* (1, 5%), *Persoonia virgata* (1, 5%), *Schefflera actinophylla* (1, 5%), *Syagrus romanzoffiana** (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: S2

Height avg. = 2.0m, range 1.5-2.5m, 14 sites

Crown cover avg. = 13.2%, range 5.0-30.0%, 14 sites

Stem density/ha avg. = 986, range 340-1500, 13 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (32, 30%), Alphitonia excelsa (28, 50%), Acacia disparrima subsp. disparrima (27, 45%), Acacia leiocalyx subsp. leiocalyx (19, 25%), Lophostemon suaveolens (9, 30%)

Frequent species (cover, frequency): Alphitonia excelsa (4, 50%), Acacia disparrima subsp. disparrima (3, 45%), Allocasuarina littoralis (4, 30%), Corymbia intermedia (30%), Lophostemon suaveolens (1, 30%), Acacia leiocalyx subsp. leiocalyx (4, 25%), Banksia integrifolia subsp. compar (1, 25%), Eucalyptus racemosa subsp. racemosa (20%), Acacia concurrens (1, 15%), Lantana camara var. camara (2, 15%), Leptospermum polygalifolium (1, 15%), Leptospermum trinervium (1, 15%), Persoonia stradbrokeensis (1, 15%), Senna pendula var. glabrata (15%), Angophora leiocarpa (1, 10%), Corymbia trachyphloia subsp. trachyphloia (10%), Eucalyptus resinifera (1, 10%), Eucalyptus siderophloia (10%), Glochidion ferdinandi (3, 10%), Jagera pseudorhus (1, 10%), Melaleuca sieberi (3, 10%), Ochna serrulata* (1, 10%), Petalostigma pubescens (2, 10%), Acacia flavescens (1, 5%), Acacia leiocalyx (3, 5%), Alectryon tomentosus (5%), Angophora woodsiana (3, 5%), Banksia integrifolia subsp. integrifolia (1, 5%), Dodonaea triquetra (1, 5%), Endiandra sieberi (10, 5%), Glochidion sumatranum (5%), Hakea florulenta (5%), Lophostemon confertus (5, 5%), Melaleuca quinquenervia (5%), Monotoca scoparia (1, 5%), Persoonia virgata (1, 5%), Schefflera actinophylla (5%), Xanthorrhoea latifolia subsp. latifolia (5%)*

Stratum: G

Height avg. = 0.5m, range 0.3-1m, 20 sites

PFC avg. = 59.9%, range 25-85%, 20 sites

Stem density/ha avg. = 140, 1 site

Dominant species (relative cover, frequency): Ptilothrix deusta (29, 35%), Imperata cylindrica (25, 70%), Themeda triandra (20, 75%), Pteridium esculentum (17, 70%), Entolasia stricta (14, 85%)

Frequent species (cover, frequency): GRAMINOIDS: Entolasia stricta (8, 85%), Themeda triandra (14, 75%), Alloteropsis semialata (1, 70%), Imperata cylindrica (15, 70%), Lepidosperma laterale var. laterale (4, 60%), Panicum effusum (1, 50%), Ptilothrix deusta (19, 35%), Cymbopogon refractus (30%), Aristida warburgii (1, 25%), Gahnia aspera (1, 25%), Lepidosperma laterale (4, 25%), Panicum simile (2, 25%), Aristida benthamii (20%), Digitaria ramularis (20%), Eragrostis brownii (20%), Eremochloa bimaculata (15%), Oplismenus aemulus (20, 15%), Paspalidium distans (15%), Aristida vagans (10%), Dichelachne sp. (Brisbane B.K.Simon 3221) (10%), Eragrostis spartinoides (10%), Fimbristylis cinnamometorum (10%), Panicum decompositum var. tenuius (10%)

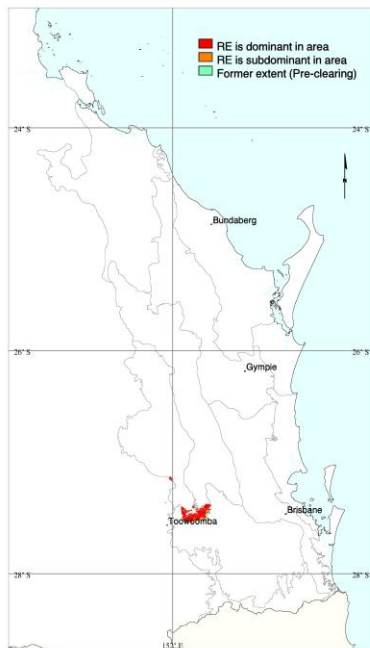
FORBS: Pteridium esculentum (12, 70%), Lomandra multiflora subsp. multiflora (1, 65%), Cyathillium cinereum (55%), Hibbertia vestita var. vestita (1, 50%), Desmodium rhytidophyllum (1, 40%), Eustrephus latifolius (40%), Goodenia rotundifolia (1, 40%), Patersonia sericea var. sericea (2, 40%), Acrotriche aggregata (1, 35%), Boronia rosmarinifolia (1, 35%), Dianella caerulea (1, 35%), Lobelia purpurascens (35%), Cassytha pubescens (1, 30%), Haemodorum austroqueenslandicum (30%), Lomandra longifolia (3, 30%), Geodorum densiflorum (25%), Glycine clandestina var. clandestina (25%), Glycine tabacina (25%), Gompholobium pinnatum (25%), Passiflora suberosa (25%), Pimelea linifolia subsp. linifolia (25%), Tricoryne elatior (25%), Alphitonia excelsa (20%), Schizaea bifida (20%), Xanthorrhoea latifolia subsp. latifolia (1, 20%), Hybanthus stellarioides (15%), Lomandra confertifolia subsp. pallida (1, 15%), Phyllanthus virgatus (15%), Pseuderanthemum variabile (15%), Pultenaea paleacea (2, 15%), Stephania japonica (15%), Trachymene incisa subsp. incisa (15%), Viola hederacea (15%), Ajuga australis (10%), Asplenium flabellifolium (10%), Cestrum parqui* (10%), Daviesia ulicifolia subsp. ulicifolia (10%), Dianella revoluta (10%), Dipodium variegatum (10%), Flemingia parviflora (2, 10%), Geitonoplesium cymosum (10%), Glossocardia bidens (10%), Hibbertia stricta (1, 10%), Hibbertia vestita (1, 10%), Lomandra multiflora (1, 10%), Lophostemon suaveolens (1, 10%), Pandorea jasminoides (10%), Parsonsia straminea (3, 10%), Pimelea linifolia (1, 10%), Platylodium formosum (10%), Schinus terebinthifolius* (10%), Smilax australis (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 helidonica, Corymbia citriodora subsp. variegata +/- C. trachyphloia subsp. trachyphloia, Eucalyptus fibrosa subsp. fibrosa, E. taurina open-forest on quartzose sandstone in the Helidon hills region



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 17,538 14,833 85%

Species recorded: Total: 93; woody: 32; ground: 67; Avg. spp./site: 32.4; std dev.: 8.7, 5 site(s)

Basal area: Avg./site: 14.4 m²/ha, range: 11.0 - 16 m²/ha, std. deviation: 2 m²/ha, 5 site(s)

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

Representative sites: 15519, 15520, 15523, 15524, 15526.

Stratum: **T1**

Height avg. = 22.4m, range 19-24m, 5 sites

Crown cover avg. = 50.0%, range 42.0-65.0%, 5 sites

Stem density/ha avg. = 220, 1 site

Dominant species (relative cover, frequency): Corymbia citriodora subsp. variegata (47, 80%), Eucalyptus helidonica (43, 60%), Eucalyptus fibrosa subsp. fibrosa (33, 40%), Corymbia trachyphloia subsp. trachyphloia (30, 40%), Eucalyptus taurina (18, 40%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (23, 80%), Eucalyptus helidonica (22, 60%), Corymbia trachyphloia subsp. trachyphloia (17, 40%), Eucalyptus fibrosa subsp. fibrosa (14, 40%), Eucalyptus taurina (10, 40%), Angophora leiocarpa (4, 20%), Corymbia citriodora (20%), Eucalyptus baileyana (3, 20%), Eucalyptus crebra (3, 20%), Eucalyptus major (20%)

Stratum: **T2**

Height avg. = 14.2m, range 10-17m, 5 sites

Crown cover avg. = 26.8%, range 15.0-37.0%, 5 sites

Stem density/ha avg. = 110, range 60-160, 2 sites

Dominant species (relative cover, frequency): Eucalyptus fibrosa subsp. fibrosa (47, 40%), Eucalyptus helidonica (38, 80%), Corymbia trachyphloia subsp. trachyphloia (31, 60%), Corymbia citriodora subsp. variegata (21, 80%), Lysicarpus angustifolius (14, 40%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (6, 80%), Eucalyptus helidonica (9, 80%), Corymbia trachyphloia subsp. trachyphloia (8, 60%), Angophora woodsiana (40%), Eucalyptus fibrosa subsp. fibrosa (18, 40%), Lysicarpus angustifolius (5, 40%), Alphitonia excelsa (20%), Angophora leiocarpa (3, 20%), Eucalyptus baileyana (5, 20%), Eucalyptus crebra (5, 20%), Eucalyptus taurina (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

Stratum: T3

Height avg. = 7.0m, range 5-10m, 3 sites

Crown cover avg. = 6.3%, range 4.0-10.0%, 3 sites

Stem density/ha avg. = 100, range 60-140, 2 sites

Dominant species (relative cover, frequency): *Corymbia citriodora* subsp. *variegata* (49, 40%), *Eucalyptus helidonica* (39, 40%)

Frequent species (cover, frequency): *Corymbia citriodora* subsp. *variegata* (3, 40%), *Eucalyptus helidonica* (3, 40%), *Allocasuarina torulosa* (1, 20%), *Angophora leiocarpa* (20%), *Angophora woodsiana* (2, 20%), *Corymbia trachyphloia* subsp. *trachyphloia* (1, 20%), *Eucalyptus fibrosa* subsp. *fibrosa* (3, 20%), *Lysicarpus angustifolius* (3, 20%)

Stratum: S1

Height avg. = 2.0m, range 1.5-2.5m, 5 sites

Crown cover avg. = 22.0%, range 3.0-60.0%, 5 sites

Stem density/ha avg. = 80, 1 site

Dominant species (relative cover, frequency): *Lysicarpus angustifolius* (38, 40%), *Alphitonia excelsa* (21, 60%), *Acacia penninervis* (19, 60%), *Petalostigma pubescens* (15, 40%), *Jacksonia scoparia* (10, 40%)

Frequent species (cover, frequency): *Acacia penninervis* (3, 60%), *Alphitonia excelsa* (2, 60%), *Bursaria spinosa* (3, 60%), *Persoonia sericea* (60%), *Acacia leiocalyx* (3, 40%), *Eucalyptus fibrosa* subsp. *fibrosa* (1, 40%), *Jacksonia scoparia* (2, 40%), *Lysicarpus angustifolius* (8, 40%), *Petalostigma pubescens* (1, 40%), *Acacia buxifolia* subsp. *pubiflora* (20%), *Acacia complanata* (15, 20%), *Acacia julifera* (5, 20%), *Acacia podalyriifolia* (20%), *Allocasuarina inophloia* (1, 20%), *Angophora leiocarpa* (1, 20%), *Angophora woodsiana* (8, 20%), *Astrotricha latifolia* (20%), *Corymbia citriodora* subsp. *variegata* (12, 20%), *Corymbia trachyphloia* subsp. *trachyphloia* (3, 20%), *Eucalyptus baileyana* (1, 20%), *Eucalyptus helidonica* (3, 20%), *Eucalyptus tereticornis* (1, 20%), *Hovea lorata* (20%), *Hovea planifolia* (20%), *Leptospermum trinervium* (15, 20%), *Logania albiflora* (20%), *Notelaea linearis* (20%)

Stratum: G

Height avg. = 0.8m, range 0.3-1.3m, 5 sites

PFC avg. = 65.0%, range 50-80%, 5 sites

Dominant species (relative cover, frequency): *Imperata cylindrica* (37, 40%), *Entolasia stricta* (29, 80%), *Themeda triandra* (12, 80%), *Eremochloa bimaculata* (10, 80%), *Lomandra filiformis* (7, 40%)

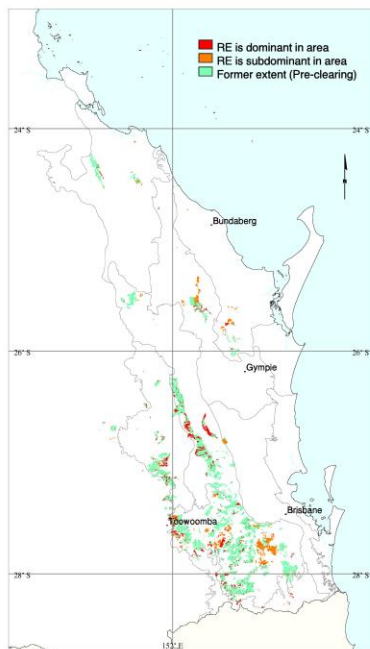
Frequent species (cover, frequency): GRAMINOIDS: *Aristida vagans* (2, 80%), *Entolasia stricta* (18, 80%), *Eremochloa bimaculata* (6, 80%), *Lepidosperma laterale* (2, 80%), *Panicum effusum* (2, 80%), *Themeda triandra* (8, 80%), *Cymbopogon refractus* (3, 60%), *Heteropogon contortus* (3, 40%), *Imperata cylindrica* (25, 40%), *Aristida queenslandica* var. *dissimilis* (1, 20%), *Aristida queenslandica* var. *queenslandica* (2, 20%), *Arundinella nepalensis* (1, 20%), *Digitaria parviflora* (1, 20%), *Eragrostis brownii* (1, 20%), *Eragrostis spartinoides* (10, 20%), *Fimbristylis dichotoma* (1, 20%), *Melinis repens** (1, 20%), *Panicum pygmaeum* (1, 20%), *Paspalidium grandispiculatum* (25, 20%)

FORBS: *Cheilanthes sieberi* (1, 80%), *Dianella revoluta* (1, 80%), *Cyanthillium cinereum* (1, 60%), *Laxmannia gracilis* (1, 60%), *Melichrus urceolatus* (1, 60%), *Chrysocephalum apiculatum* (3, 40%), *Desmodium rhytidophyllum* (1, 40%), *Glycine clandestina* (1, 40%), *Haemodorum austroqueenslandicum* (1, 40%), *Hibbertia linearis* var. *obtusifolia* (1, 40%), *Lobelia purpurascens* (1, 40%), *Lomandra filiformis* (6, 40%), *Phyllanthus virgatus* (1, 40%), *Pomax umbellata* (1, 40%), *Poranthera microphylla* (1, 40%), *Acacia leiocalyx* (1, 20%), *Acacia penninervis* (1, 20%), *Acrotriche aggregata* (1, 20%), *Bidens pilosa** (1, 20%), *Brunoniella australis* (1, 20%), *Corymbia trachyphloia* subsp. *trachyphloia* (1, 20%), *Crotalaria montana* (1, 20%), *Daviesia villifera* (3, 20%), *Desmodium varians* (1, 20%), *Eucalyptus helidonica* (1, 20%), *Eustrephus latifolius* (1, 20%), *Glycine tabacina* (1, 20%), *Gompholobium virgatum* (1, 20%), *Goodenia hederacea* (1, 20%), *Grevillea quadricauda* (1, 20%), *Hybanthus stellarioides* (1, 20%), *Leucopogon biflorus* (1, 20%), *Lissanthe strigosa* (1, 20%), *Lomandra confertifolia* (2, 20%), *Lomandra elongata* (1, 20%), *Lomandra laxa* (1, 20%), *Lomandra multiflora* (10, 20%), *Melichrus* sp. (Isle Gorge P. Sharpe + 601) (1, 20%), *Pimelea linifolia* (1, 20%), *Pterocaulon redolens* (1, 20%), *Pultenaea microphylla* (1, 20%), *Scaevola ramosissima* (1, 20%), *Spermacoce multicaulis* (1, 20%), *Stylidium graminifolium* (1, 20%), *Tephrosia filipes* (1, 20%), *Xanthorrhoea johnsonii* (1, 20%), *Xanthorrhoea latifolia* (1, 20%), *Zornia dyctiocarpa* (1, 20%)

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

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

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

Eucalyptus crebra +/- E. tereticornis, Corymbia tessellaris, Angophora spp., E. melanophloia woodland on sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 233,398 39,035 17%

Species recorded: Total: 115; woody: 31; ground: 89; Avg. spp./site: 28.2; std dev.: 13.5, 6 site(s)

Basal area: Avg./site: 14.5 m²/ha, range: 8.0 - 21 m²/ha, std. deviation: 5 m²/ha, 6 site(s)

Structural formation: Woodland: 50%; open-forest: 50%, 6 site(s)

Representative sites: 14297, 15474, 15490, 15494, 15496, 38564.

Stratum: T1

Height avg. = 17.5m, range 15-22m, 6 sites

Crown cover avg. = 48.5%, range 26.0-65.0%, 6 sites

Stem density/ha avg. = 480, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (77, 100%), Eucalyptus tereticornis (26, 67%), Angophora leiocarpa (8, 33%)

Frequent species (cover, frequency): Eucalyptus crebra (37, 100%), Eucalyptus tereticornis (13, 67%), Angophora leiocarpa (4, 33%), Corymbia tessellaris (10, 17%)

Stratum: T2

Height avg. = 9.8m, range 9-11m, 4 sites

Crown cover avg. = 15.3%, range 10.0-21.0%, 4 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (44, 67%), Corymbia tessellaris (23, 67%)

Frequent species (cover, frequency): Corymbia tessellaris (4, 67%), Eucalyptus crebra (7, 67%), Acacia disparrima subsp. disparrima (4, 17%), Acacia farnesiana (17%), Acacia neriifolia (17%), Corymbia intermedia (17%), Erythrina vespertilio (1, 17%), Eucalyptus melanophloia (2, 17%), Eucalyptus siderophloia (12, 17%), Eucalyptus tereticornis (2, 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. = 2.1m, range 1-3m, 6 sites

Crown cover avg. = 16.8%, range 5.0-40.0%, 6 sites

Stem density/ha avg. = 520, 1 site

Dominant species (relative cover, frequency): *Lantana camara** (54, 33%), *Acacia leiocalyx* (51, 67%), *Corymbia tessellaris* (29, 50%), *Eucalyptus crebra* (26, 33%), *Acacia salicina* (4, 33%)

Frequent species (cover, frequency): *Acacia leiocalyx* (6, 67%), *Corymbia tessellaris* (3, 50%), *Acacia salicina* (1, 33%), *Eucalyptus crebra* (2, 33%), *Lantana camara** (20, 33%), *Pittosporum angustifolium* (33%), *Abutilon oxycarpum* var. *oxycarpum* (17%), *Acacia blakei* (6, 17%), *Acacia disparrima* subsp. *disparrima* (17%), *Acacia maidenii* (17%), *Alphitonia excelsa* (2, 17%), *Carissa ovata* (17%), *Cyclophyllum coprosmoides* var. *coprosmoides* (17%), *Denhamia pittosporoides* (17%), *Eremophila debilis* (17%), *Eucalyptus melanophloia* (1, 17%), *Eucalyptus tereticornis* (1, 17%), *Exocarpos cupressiformis* (17%), *Jasminum simplicifolium* subsp. *australiense* (17%), *Maytenus bilocularis* (17%), *Melia azedarach* (17%), *Myoporum montanum* (14, 17%), *Opuntia tomentosa** (1, 17%), *Petalostigma pubescens* (17%), *Trema tomentosa* (17%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.5m, 6 sites

PFC avg. = 70.8%, range 60-80%, 6 sites

Dominant species (relative cover, frequency): *Themeda triandra* (57, 33%), *Dichanthium sericeum* (50, 33%), *Cymbopogon refractus* (25, 83%), *Chloris divaricata* (19, 50%), *Aristida gracilipes* (18, 33%)

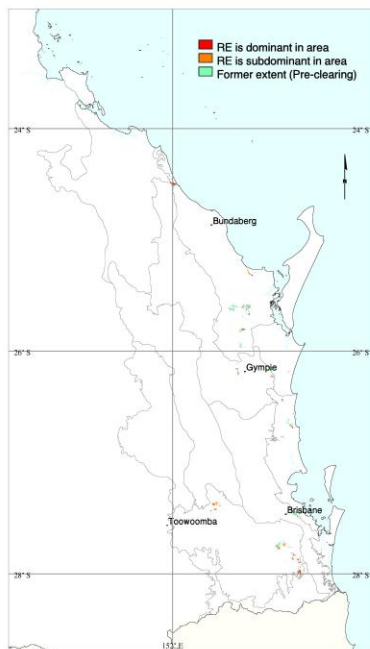
Frequent species (cover, frequency): GRAMINOIDS: *Cymbopogon refractus* (17, 83%), *Chloris divaricata* (19, 50%), *Eragrostis brownii* (50%), *Heteropogon contortus* (5, 50%), *Aristida gracilipes* (12, 33%), *Cyperus gracilis* (3, 33%), *Dichanthium sericeum* (38, 33%), *Digitaria didactyla** (6, 33%), *Panicum decompositum* (33%), *Panicum effusum* (33%), *Themeda triandra* (39, 33%), *Aristida personata* (1, 17%), *Aristida ramosa* (17%), *Bothriochloa decipiens* (13, 17%), *Bothriochloa decipiens* var. *decipiens* (32, 17%), *Cenchrus caliculatus* (17%), *Cyperus javanicus* (17%), *Dichanthium aristatum** (32, 17%), *Digitaria amorphila* (17%), *Digitaria parviflora* (2, 17%), *Imperata cylindrica* (7, 17%), *Juncus continuus* (17%), *Melinis repens** (17%), *Panicum simile* (4, 17%), *Sarga leiocladum* (5, 17%)

FORBS: *Glycine tabacina* (83%), *Cheilanthes sieberi* (50%), *Gomphocarpus physocarpus** (50%), *Lobelia purpurascens* (50%), *Dianella revoluta* (33%), *Eremophila debilis* (33%), *Hypochaeris radicata** (33%), *Jasminum suavissimum* (33%), *Opuntia stricta** (33%), *Sida cordifolia** (33%), *Achyranthes aspera* (17%), *Ajuga australis* (17%), *Asclepias curassavica** (17%), *Asperula conferta* (17%), *Baccharis halimifolia** (17%), *Breynia oblongifolia* (17%), *Brunoniella australis* (17%), *Carissa ovata* (17%), *Cassinia laevis* (17%), *Chrysocephalum apiculatum* (17%), *Cyclophyllum coprosmoides* var. *coprosmoides* (17%), *Cyclosporum leptophyllum** (17%), *Dianella caerulea* (17%), *Dianella revoluta* var. *revoluta* (1, 17%), *Dichondra repens* (17%), *Dodonaea viscosa* (17%), *Echium* indet. (17%), *Emilia sonchifolia** (17%), *Eustrephus latifolius* (17%), *Evolvulus alsinoides* (17%), *Geitonoplesium cymosum* (17%), *Glossocardia bidens* (17%), *Glycine latifolia* (17%), *Gnaphalium* indet. (17%), *Goodenia bellidifolia* (17%), *Goodenia rotundifolia* (1, 17%), *Grewia latifolia* (17%), *Hybanthus enneaspermus* (17%), *Jasminum didymum* (17%), *Jasminum simplicifolium* subsp. *australiense* (17%), *Lantana montevidensis** (17%), *Lomandra filiformis* (17%), *Lomandra longifolia* (17%), *Lomandra multiflora* (17%), *Maclura cochinchinensis* (17%), *Malvastrum americanum* var. *americanum** (17%), *Mimosa pudica** (17%), *Neptunia* indet. (17%), *Oxalis corniculata** (17%), *Oxalis perennans* (17%), *Phyllanthus virgatus* (17%), *Pimelea linifolia* subsp. *linifolia* (17%), *Pittosporum viscidum* (17%), *Portulaca pilosa* subsp. *pilosa** (17%), *Pycnosorus chrysanthus* (17%), *Rhynchosia minima* (17%), *Richardia brasiliensis** (17%), *Senecio madagascariensis** (17%), *Sida corrugata* (17%), *Sida spinosa** (17%), *Sigesbeckia orientalis* (17%), *Solanum nemophilum* (17%), *Verbena officinalis* (17%), *Vittadinia tenuissima* (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 siderophloia, Corymbia intermedia +/- E. tereticornis and Lophostemon suaveolens open-forest on sedimentary rocks


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 14,042 2,793 20%

Species recorded: Total: 97; woody: 20; ground: 82; Avg. spp./site: 39.5; std dev.: 16.1, 4 site(s)

Basal area: Avg./site: 22.0 m²/ha, range: 17.0 - 29 m²/ha, std. deviation: 5 m²/ha, 4 site(s)

Structural formation: Open-forest: 75%; woodland: 25%, 4 site(s)

Representative sites: 15478, 16495, 19746, 19762.

Stratum: T1

Height avg. = 23.5m, range 18-28m, 4 sites

Crown cover avg. = 58.3%, range 45.0-68.0%, 4 sites

Stem density/ha avg. = 420, range 160-880, 3 sites

Dominant species (relative cover, frequency): Eucalyptus siderophloia (43, 100%), Eucalyptus tereticornis (32, 75%), Lophostemon confertus (19, 50%), Corymbia intermedia (18, 100%), Eucalyptus carnea (17, 25%)

Frequent species (cover, frequency): Corymbia intermedia (11, 100%), Eucalyptus siderophloia (23, 100%), Eucalyptus tereticornis (19, 75%), Lophostemon confertus (12, 50%), Alphitonia excelsa (2, 25%), Angophora leiocarpa (2, 25%), Eucalyptus carnea (10, 25%)

Stratum: T2

Height avg. = 12.5m, range 8-18m, 4 sites

Crown cover avg. = 8.5%, range 6.0-10.0%, 4 sites

Stem density/ha avg. = 607, range 300-1120, 3 sites

Dominant species (relative cover, frequency): Angophora leiocarpa (64, 25%), Lophostemon confertus (41, 25%), Lophostemon suaveolens (29, 100%), Corymbia intermedia (25, 75%), Allocasuarina littoralis (25, 25%)

Frequent species (cover, frequency): Lophostemon suaveolens (3, 100%), Corymbia intermedia (4, 75%), Corymbia tessellaris (1, 50%), Acacia concurrens (25%), Acacia disparrima subsp. disparrima (25%), Allocasuarina littoralis (4, 25%), Allocasuarina torulosa (1, 25%), Alphitonia excelsa (1, 25%), Angophora leiocarpa (7, 25%), Casuarina glauca (1, 25%), Eucalyptus carnea (25%), Eucalyptus siderophloia (1, 25%), Eucalyptus tereticornis (2, 25%), Lophostemon confertus (5, 25%), Melaleuca saligna (1, 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: T3

Height avg. = 8.0m, range 6-10m, 2 sites

Crown cover avg. = 11.5%, range 5.0-18.0%, 2 sites

Stem density/ha avg. = 380, 1 site

Dominant species (relative cover, frequency): *Acacia leiocalyx* (81, 25%), *Lophostemon suaveolens* (41, 50%), *Eucalyptus siderophloia* (20, 25%), *Acacia disparrima subsp. disparrima* (16, 25%), *Corymbia intermedia* (1, 25%)

Frequent species (cover, frequency): *Lophostemon suaveolens* (2, 50%), *Acacia disparrima subsp. disparrima* (3, 25%), *Acacia leiocalyx* (15, 25%), *Corymbia intermedia* (25%), *Eucalyptus siderophloia* (1, 25%)

Stratum: S1

Height avg. = 2.3m, range 2-3m, 4 sites

Crown cover avg. = 12.3%, range 1.0-40.0%, 4 sites

Stem density/ha avg. = 220, range 160-340, 3 sites

Dominant species (relative cover, frequency): *Acacia leiocalyx* (36, 25%), *Acacia disparrima subsp. disparrima* (34, 75%), *Persoonia stradbokensis* (33, 25%), *Lophostemon confertus* (33, 25%), *Eucalyptus siderophloia* (33, 25%)

Frequent species (cover, frequency): *Acacia disparrima subsp. disparrima* (11, 75%), *Allocasuarina littoralis* (1, 50%), *Alphitonia excelsa* (5, 50%), *Lophostemon suaveolens* (1, 50%), *Acacia leiocalyx* (2, 25%), *Eucalyptus crebra* (25%), *Eucalyptus siderophloia* (1, 25%), *Lantana camara** (1, 25%), *Lophostemon confertus* (1, 25%), *Melaleuca linariifolia* (1, 25%), *Persoonia stradbokensis* (1, 25%)

Stratum: G

Height avg. = 0.6m, range 0.5-0.7m, 4 sites

PFC avg. = 45.0%, range 20-70%, 4 sites

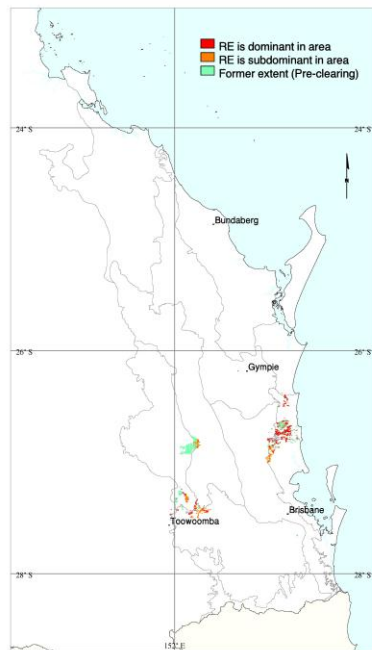
Dominant species (relative cover, frequency): *Digitaria ammophila* (78, 25%), *Imperata cylindrica* (30, 75%), *Entolasia stricta* (22, 25%), *Themeda triandra* (19, 75%), *Ottochloa gracillima* (18, 50%)

Frequent species (cover, frequency): GRAMINOIDS: *Cymbopogon refractus* (2, 75%), *Imperata cylindrica* (17, 75%), *Themeda triandra* (12, 75%), *Alloteropsis semialata* (1, 50%), *Dichelachne micrantha* (50%), *Digitaria parviflora* (3, 50%), *Fimbristylis dichotoma* (1, 50%), *Ottochloa gracillima* (9, 50%), *Aristida calycina* (25%), *Aristida muricata* (25%), *Aristida vagans* (3, 25%), *Capillipedium spicigerum* (1, 25%), *Cyperus laevis* (25%), *Digitaria ammophila* (24, 25%), *Entolasia stricta* (5, 25%), *Eremochloa bimaculata* (5, 25%), *Heteropogon contortus* (5, 25%), *Microlaena stipoides* (25%), *Oplismenus aemulus* (25%), *Oplismenus imbecillis* (25%), *Panicum simile* (8, 25%), *Paspalidium distans* (25%), *Paspalidium gausum* (25%)
FORBS: *Brunoniella australis* (75%), *Cyanthillium cinereum* (75%), *Desmodium rhytidophyllum* (2, 75%), *Dianella caerulea* (75%), *Eustrephus latifolius* (75%), *Goodenia rotundifolia* (75%), *Lobelia purpurascens* (75%), *Clematicissus opaca* (50%), *Geitonoplesium cymosum* (50%), *Hardenbergia violacea* (50%), *Hybanthus stellarioides* (50%), *Lantana camara** (50%), *Lantana montevidensis** (1, 50%), *Lomandra laxa* (50%), *Passiflora foetida** (50%), *Passiflora suberosa** (50%), *Pittosporum revolutum* (50%), *Pteridium esculentum* (50%), *Rostellularia obtusa* (50%), *Stephania japonica* (50%), *Acacia concurrens* (25%), *Acacia disparrima subsp. disparrima* (5, 25%), *Ageratum houstonianum** (25%), *Alphitonia excelsa* (1, 25%), *Asparagus africanus** (1, 25%), *Bidens pilosa** (25%), *Cassitha pubescens* (25%), *Centella asiatica* (25%), *Cheilanthes tenuifolia* (1, 25%), *Clerodendrum floribundum* (25%), *Conyza canadensis** (25%), *Crotalaria pallida* (25%), *Dianella indet.* (25%), *Dianella revoluta* (1, 25%), *Glochidion ferdinandi* (25%), *Glycine clandestina* (25%), *Grevillea robusta* (1, 25%), *Jacksonia scoparia* (25%), *Lomandra confertifolia* (25%), *Lomandra longifolia* (25%), *Ochna serrulata** (25%), *Oxalis chnoodes* (25%), *Oxalis radicata* (1, 25%), *Parsonsia brisbanensis* (25%), *Parsonsia straminea* (1, 25%), *Persoonia stradbokensis* (25%), *Phyllanthus virgatus* (1, 25%), *Plectranthus parviflorus* (25%), *Pseuderanthemum variabile* (25%), *Pycnosorus chrysanthus* (25%), *Rubus moluccanus var. trilobus* (25%), *Smilax australis* (25%), *Solanum nigrum* (25%), *Syagrus romanzoffiana** (25%), *Trema tomentosa* (25%), *Wahlenbergia indet.* (25%), *Wikstroemia indica* (25%), *Xanthorrhoea johnsonii* (25%), *Xanthorrhoea macronema* (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 pilularis tall open-forest on sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 25,115 11,145 44%

Species recorded: Total: 136; woody: 50; ground: 97; Avg. spp./site: 44.4; std dev.: 6.7, 7 site(s)

Basal area: Avg./site: 26.6 m²/ha, range: 17.0 - 36 m²/ha, std. deviation: 6 m²/ha, 7 site(s)

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

Representative sites: 13666, 16426, 16429, 16434, 16447, 16448, 16476.

Stratum: T1

Height avg. = 31.4m, range 28-35m, 7 sites

Crown cover avg. = 57.0%, range 30.0-80.0%, 7 sites

Stem density/ha avg. = 248, range 20-440, 5 sites

Dominant species (relative cover, frequency): Eucalyptus pilularis (54, 100%), Corymbia trachyphloia subsp. trachyphloia (25, 29%), Syncarpia glomulifera (23, 43%), Corymbia intermedia (17, 57%), Eucalyptus tindaliae (17, 29%)

Frequent species (cover, frequency): Eucalyptus pilularis (29, 100%), Corymbia intermedia (12, 57%), Eucalyptus microcorys (3, 43%), Syncarpia glomulifera (17, 43%), Corymbia trachyphloia subsp. trachyphloia (14, 29%), Eucalyptus propinqua (10, 29%), Eucalyptus resinifera (9, 29%), Eucalyptus tindaliae (10, 29%), Lophostemon confertus (8, 29%)

Stratum: T2

Height avg. = 17.3m, range 12-27m, 6 sites

Crown cover avg. = 18.3%, range 9.0-31.0%, 6 sites

Stem density/ha avg. = 152, range 60-240, 5 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (43, 29%), Corymbia intermedia (39, 57%), Syncarpia glomulifera (28, 86%), Lophostemon confertus (24, 71%)

Frequent species (cover, frequency): Syncarpia glomulifera (5, 86%), Lophostemon confertus (4, 71%), Corymbia intermedia (7, 57%), Allocasuarina torulosa (7, 29%), Endiandra sieberi (1, 14%), Eucalyptus pilularis (3, 14%), Eucalyptus resinifera (1, 14%), Eucalyptus siderophloia (1, 14%), Eucalyptus tindaliae (5, 14%), Lophostemon suaveolens (1, 14%), Melaleuca salicina (1, 14%)

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

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

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

Stratum: T3

Height avg. = 6.6m, range 3-10m, 5 sites

Crown cover avg. = 10.8%, range 1.0-23.0%, 5 sites

Stem density/ha avg. = 95, range 80-100, 4 sites

Dominant species (relative cover, frequency): *Corymbia intermedia* (23, 29%), *Syncarpia glomulifera* (22, 29%), *Alphitonia excelsa* (21, 43%), *Glochidion ferdinandi* (6, 29%)

Frequent species (cover, frequency): *Alphitonia excelsa* (1, 43%), *Corymbia intermedia* (3, 29%), *Glochidion ferdinandi* (1, 29%), *Syncarpia glomulifera* (3, 29%), *Acacia melanoxylon* (1, 14%), *Allocasuarina littoralis* (10, 14%), *Allocasuarina torulosa* (4, 14%), *Backhousia myrtifolia* (11, 14%), *Banksia oblongifolia* (7, 14%), *Endiandra discolor* (1, 14%), *Eucalyptus microcorys* (1, 14%), *Eucalyptus resinifera* (1, 14%), *Flindersia schottiana* (14%), *Lophostemon suaveolens* (8, 14%), *Melaleuca salicina* (1, 14%), *Syzygium oleosum* (2, 14%)

Stratum: S1

Height avg. = 2.4m, range 1.5-3m, 7 sites

Crown cover avg. = 9.6%, range 1.0-21.0%, 7 sites

Stem density/ha avg. = 220, range 140-300, 2 sites

Dominant species (relative cover, frequency): *Lantana camara** (25, 29%), *Alphitonia excelsa* (21, 29%), *Glochidion sumatranum* (20, 29%), *Glochidion ferdinandi* (14, 43%), *Lophostemon confertus* (12, 43%)

Frequent species (cover, frequency): *Gahnia sieberiana* (1, 14%), *Glochidion ferdinandi* (2, 43%), *Lophostemon confertus* (1, 43%), *Alphitonia excelsa* (3, 29%), *Glochidion sumatranum* (3, 29%), *Hovea acutifolia* (1, 29%), *Lantana camara** (2, 29%), *Acacia disparrima* subsp. *disparrima* (4, 14%), *Acacia falcata* (14%), *Acacia leiocalyx* (1, 14%), *Acacia maidenii* (1, 14%), *Acacia melanoxylon* (1, 14%), *Acacia oshanesii* (5, 14%), *Acrotriche aggregata* (1, 14%), *Allocasuarina torulosa* (2, 14%), *Banksia oblongifolia* (1, 14%), *Banksia spinulosa* (8, 14%), *Banksia spinulosa* var. *spinulosa* (1, 14%), *Clerodendrum floribundum* (1, 14%), *Dodonaea triquetra* (1, 14%), *Elaeocarpus reticulatus* (14%), *Endiandra discolor* (1, 14%), *Exocarpos latifolius* (1, 14%), *Hakea plurinervia* (3, 14%), *Hibiscus heterophyllus* (14%), *Leptospermum semibaccatum* (4, 14%), *Leptospermum trinervium* (3, 14%), *Livistona australis* (1, 14%), *Lophostemon suaveolens* (1, 14%), *Melastoma malabathricum* subsp. *malabathricum* (14%), *Ochna serrulata** (1, 14%), *Persoonia stradbrokeensis* (1, 14%), *Persoonia virgata* (14%), *Pultenaea villosa* (1, 14%), *Senna pendula* var. *glabrata** (1, 14%), *Syncarpia glomulifera* (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. = 0.7m, range 0.5-1m, 7 sites

PFC avg. = 60.7%, range 40-85%, 7 sites

Dominant species (relative cover, frequency): Themeda triandra (23, 86%), Pteridium esculentum (17, 57%), Imperata cylindrica (14, 86%), Calochlaena dubia (12, 43%), Ottochloa nodosa (8, 57%)

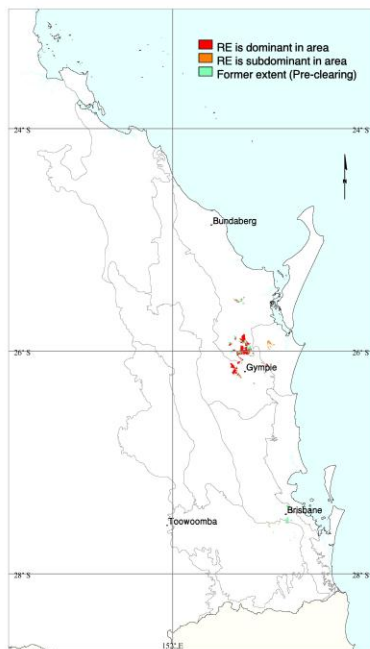
Frequent species (cover, frequency): GRAMINOIDS: Entolasia stricta (4, 86%), Imperata cylindrica (11, 86%), Themeda triandra (17, 86%), Lepidosperma laterale (4, 71%), Ottochloa nodosa (7, 57%), Eremochloa bimaculata (1, 43%), Alloteropsis semialata (1, 29%), Cymbopogon refractus (1, 29%), Oplismenus imbecillis (1, 29%), Panicum effusum (2, 29%), Arundinella nepalensis (2, 14%), Digitaria parviflora (1, 14%), Fimbristylis dichotoma (14%), Gahnia aspera (1, 14%), Oplismenus aemulus (1, 14%), Panicum simile (4, 14%), Paspalum dilatatum (14%), Scleria levis (14%), Scleria sphacelata (21, 14%)*

FORBS: Lomandra longifolia (1, 86%), Dianella caerulea (1, 71%), Billardiera scandens (1, 57%), Cassytha glabella (1, 57%), Eustrephus latifolius (57%), Hibbertia vestita (1, 57%), Hybanthus stellarioides (1, 57%), Lobelia purpurascens (57%), Lomandra multiflora subsp. multiflora (2, 57%), Pteridium esculentum (14, 57%), Xanthorrhoea latifolia (3, 57%), Zieria minutiflora (2, 57%), Blechnum cartilagineum (1, 43%), Brunoniella australis (1, 43%), Calochlaena dubia (11, 43%), Cissus hypoglauca (1, 43%), Cyathium cinereum (43%), Desmodium rhytidophyllum (2, 43%), Goodenia rotundifolia (1, 43%), Hibbertia scandens (1, 43%), Leucopogon pimeleoides (1, 43%), Livistona australis (43%), Persoonia virgata (43%), Schizaea bifida (1, 43%), Acacia melanoxylon (29%), Acrotriche aggregata (29%), Breynia oblongifolia (29%), Cassytha pubescens (29%), Cinnamomum camphora (1, 29%), Geitonoplesium cymosum (1, 29%), Geodorum densiflorum (29%), Glycine clandestina (1, 29%), Gymnostachys anceps (29%), Lantana camara* (1, 29%), Lomatia silaifolia (1, 29%), Pimelea linifolia (1, 29%), Platylodium formosum (1, 29%), Smilax glycyphylla (1, 29%), Stephania japonica (1, 29%), Acacia disparrima subsp. disparrima (14%), Acacia penninervis (14%), Alyxia ilicifolia subsp. magnifolia (14%), Astrotricha latifolia (1, 14%), Baccharis halimifolia* (1, 14%), Billardiera scandens var. scandens (1, 14%), Cryptostylis erecta (14%), Daviesia umbellulata (1, 14%), Desmodium brachypodum (1, 14%), Dipodium indet. (14%), Dipodium variegatum (1, 14%), Dodonaea triquetra (14%), Doodia heterophylla (1, 14%), Endiandra sieberi (1, 14%), Glycine clandestina var. clandestina (14%), Hibbertia aspera (4, 14%), Hovea acutifolia (1, 14%), Hypochaeris radicata* (1, 14%), Jagera pseudorhus (1, 14%), Leptospermum semibaccatum (10, 14%), Leucopogon leptospermoides (14%), Lindsaea incisa (14%), Lomandra confertifolia (4, 14%), Lomandra laxa (1, 14%), Monotoca scoparia (1, 14%), Ochna serrulata* (1, 14%), Oxalis corniculata* (14%), Oxalis rubens (1, 14%), Passiflora suberosa* (14%), Persoonia cornifolia (1, 14%), Phyllanthus virgatus (1, 14%), Polymeria calycina (1, 14%), Pomax umbellata (1, 14%), Psychotria loniceroides (1, 14%), Pultenaea retusa (1, 14%), Solanum americanum (1, 14%), Viola hederacea (1, 14%), Wikstroemia indica (1, 14%), Xanthosia pilosa (1, 14%)*

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

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

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

***Corymbia citriodora* subsp. *variegata* +/- *Eucalyptus acmenoides*, *Angophora leiocarpa*, *E. siderophloia* woodland on Cainozoic and Mesozoic sediments**


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 18,079 9,269 51%

Species recorded: Total: 82; woody: 22; ground: 66; Avg. spp./site: 36.5; std dev.: 15.1, 4 site(s)

Basal area: Avg./site: 16.0 m²/ha, range: 14.0 - 20 m²/ha, std. deviation: 2 m²/ha, 4 site(s)

Structural formation: Woodland: 50%; tall open-forest: 25%; open-forest: 25%, 4 site(s)

Representative sites: 15467, 40444, 40447, 40448.

Stratum: T1

Height avg. = 26.0m, range 20-32m, 4 sites

Crown cover avg. = 54.3%, range 40.0-77.0%, 4 sites

Stem density/ha avg. = 107, range 40-180, 3 sites

Dominant species (relative cover, frequency): *Corymbia citriodora* subsp. *variegata* (61, 100%), *Eucalyptus acmenoides* (36, 50%), *Eucalyptus carnea* (35, 25%), *Angophora leiocarpa* (20, 50%), *Corymbia intermedia* (3, 50%)

Frequent species (cover, frequency): *Corymbia citriodora* subsp. *variegata* (33, 100%), *Angophora leiocarpa* (10, 50%), *Corymbia intermedia* (3, 50%), *Eucalyptus acmenoides* (24, 50%), *Eucalyptus carnea* (17, 25%), *Eucalyptus moluccana* (25%), *Eucalyptus siderophloia* (25%), *Eucalyptus tereticornis* (25%)

Stratum: T2

Height avg. = 16.3m, range 16-17m, 3 sites

Crown cover avg. = 32.0%, range 30.0-35.0%, 3 sites

Stem density/ha avg. = 247, range 160-300, 3 sites

Dominant species (relative cover, frequency): *Alphitonia excelsa* (65, 25%), *Eucalyptus acmenoides* (40, 50%), *Corymbia citriodora* subsp. *variegata* (26, 75%), *Eucalyptus siderophloia* (16, 50%), *Corymbia intermedia* (8, 50%)

Frequent species (cover, frequency): *Corymbia citriodora* subsp. *variegata* (12, 75%), *Angophora leiocarpa* (2, 50%), *Corymbia intermedia* (4, 50%), *Eucalyptus acmenoides* (20, 50%), *Eucalyptus siderophloia* (6, 50%), *Acacia leiocalyx* (2, 25%), *Alphitonia excelsa* (20, 25%), *Eucalyptus fibrosa* subsp. *fibrosa* (25%), *Eucalyptus moluccana* (1, 25%), *Eucalyptus tereticornis* (1, 25%), *Lophostemon suaveolens* (3, 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: T3

Height avg. = 9.5m, range 9-10m, 2 sites

Crown cover avg. = 29.0%, range 15.0-43.0%, 2 sites

Stem density/ha avg. = 630, range 320-940, 2 sites

Dominant species (relative cover, frequency): *Alphitonia excelsa* (70, 25%), *Corymbia citriodora* subsp. *variegata* (21, 50%), *Lophostemon suaveolens* (13, 25%), *Eucalyptus acmenoides* (13, 25%), *Acacia leiocalyx* (9, 25%)

Frequent species (cover, frequency): *Angophora leiocarpa* (2, 50%), *Corymbia citriodora* subsp. *variegata* (5, 50%), *Corymbia intermedia* (2, 50%), *Eucalyptus siderophloia* (2, 50%), *Acacia leiocalyx* (4, 25%), *Alphitonia excelsa* (30, 25%), *Eucalyptus acmenoides* (2, 25%), *Lophostemon suaveolens* (2, 25%)

Stratum: S1

Height avg. = 4.0m, range 3-5m, 4 sites

Crown cover avg. = 40.0%, range 18.0-70.0%, 4 sites

Dominant species (relative cover, frequency): *Acacia leiocalyx* (98, 25%), *Passiflora suberosa** (56, 25%), *Lophostemon confertus* (43, 25%), *Acacia complanata* (43, 25%), *Acacia leiocalyx* subsp. *leiocalyx* (23, 25%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (4, 75%), *Alphitonia excelsa* (8, 50%), *Lantana camara** (4, 50%), *Acacia complanata* (30, 25%), *Acacia implexa* (25%), *Acacia leiocalyx* (45, 25%), *Acacia leiocalyx* subsp. *leiocalyx* (5, 25%), *Allocasuarina torulosa* (25%), *Angophora leiocarpa* (1, 25%), *Corymbia intermedia* (25%), *Cyclophyllum coprosmodoides* (1, 25%), *Lophostemon confertus* (30, 25%), *Ochna serrulata** (1, 25%), *Passiflora suberosa** (10, 25%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.5m, 4 sites

PFC avg. = 87.8%, range 60-98%, 4 sites

Dominant species (relative cover, frequency): *Ottochloa gracillima* (38, 50%), *Themeda triandra* (32, 50%), *Entolasia stricta* (28, 100%), *Panicum effusum* (13, 75%), *Digitaria parviflora* (9, 75%)

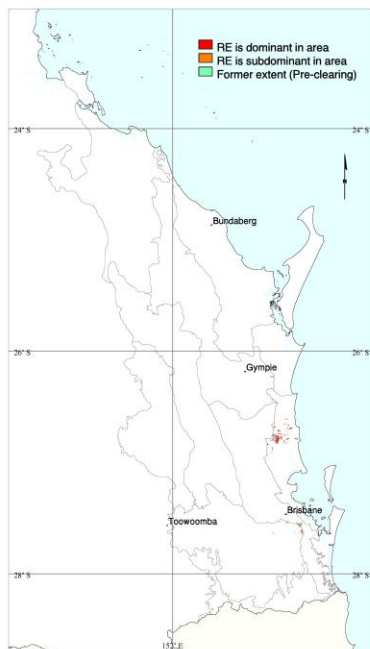
Frequent species (cover, frequency): GRAMINOIDS: *Entolasia stricta* (18, 100%), *Cymbopogon refractus* (2, 75%), *Digitaria parviflora* (8, 75%), *Eragrostis brownii* (2, 75%), *Imperata cylindrica* (2, 75%), *Panicum effusum* (13, 75%), *Paspalidium distans* (4, 75%), *Chrysopogon sylvaticus* (1, 50%), *Digitaria breviglumis* (3, 50%), *Fimbristylis depauperata* (1, 50%), *Oplismenus aemulus* (1, 50%), *Ottochloa gracillima* (40, 50%), *Themeda triandra* (30, 50%), *Alloteropsis semialata* (25%), *Aristida vagans* (25%), *Cyperus bowmannii* (25%), *Cyperus trinervis* (1, 25%), *Enteropogon unispiceus* (2, 25%), *Eremochloa bimaculata* (25%), *Gahnia aspera* (25%), *Microlaena stipoides* (25%), *Scleria tricuspidata* (1, 25%)

FORBS: *Brunoniella australis* (75%), *Crassocephalum crepidioides** (75%), *Desmodium rhytidophyllum* (75%), *Goodenia rotundifolia* (4, 75%), *Hybanthus stellarioides* (75%), *Lobelia purpurascens* (3, 75%), *Lomandra laxa* (1, 75%), *Passiflora suberosa** (2, 75%), *Cassytha* indet. (50%), *Cheilanthes sieberi* (50%), *Cyanthillium cinereum* (50%), *Dianella caerulea* (50%), *Eustrephus latifolius* (50%), *Flemingia parviflora* (50%), *Gonocarpus chinensis* subsp. *verrucosus* (50%), *Lomandra confertifolia* subsp. *pallida* (2, 50%), *Oxalis* indet. (50%), *Phyllanthus* indet. (50%), *Acacia maidenii* (25%), *Adiantum* indet. (25%), *Ageratum houstonianum** (25%), *Alphitonia excelsa* (1, 25%), *Breynia oblongifolia* (25%), *Conyza* indet. (25%), *Cyclophyllum coprosmodoides* (25%), *Desmodium gunnii* (25%), *Dianella brevipedunculata* (25%), *Emilia sonchifolia** (25%), *Glochidion ferdinandi* (25%), *Glycine clandestina* var. *clandestina* (25%), *Glycine cyrtoloba* (25%), *Gomphocarpus physocarpus** (25%), *Haloragis heterophylla* (1, 25%), *Lantana camara** (25%), *Lomandra longifolia* (25%), *Lomandra multiflora* subsp. *multiflora* (25%), *Murdannia graminea* (1, 25%), *Opuntia* indet. (25%), *Phyllanthus virgatus* (25%), *Polygala linariifolia* (25%), *Praxelis clematidea** (25%), *Verbena* indet. (25%), *Wahlenbergia gracilis* (25%), *Xanthorrhoea latifolia* (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

Lophostemon confertus, Corymbia intermedia +/- Eucalyptus siderophloia, E. propinqua open-forest on sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 5,168 2,372 46%

Species recorded: Total: 80; woody: 27; ground: 55; Avg. spp./site: 41.0; std dev.: 17.0, 3 site(s)

Basal area: Avg./site: 22.3 m²/ha, range: 15.0 - 33 m²/ha, std. deviation: 8 m²/ha, 3 site(s)

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

Representative sites: 16430, 16433, 16453.

Stratum: T1

Height avg. = 26.7m, range 23-29m, 3 sites

Crown cover avg. = 51.7%, range 45.0-60.0%, 3 sites

Stem density/ha avg. = 220, range 180-260, 2 sites

Dominant species (relative cover, frequency): Eucalyptus siderophloia (40, 67%), Eucalyptus propinqua (34, 67%), Corymbia intermedia (25, 100%), Eucalyptus microcorys (13, 67%), Lophostemon confertus (10, 100%)

Frequent species (cover, frequency): Corymbia intermedia (13, 100%), Lophostemon confertus (6, 100%), Eucalyptus microcorys (8, 67%), Eucalyptus propinqua (19, 67%), Eucalyptus siderophloia (20, 67%), Corymbia trachyphloia subsp. trachyphloia (5, 33%), Eucalyptus grandis (6, 33%)

Stratum: T2

Height avg. = 13.0m, range 8-20m, 3 sites

Crown cover avg. = 23.0%, range 13.0-40.0%, 3 sites

Stem density/ha avg. = 160, range 80-240, 2 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (72, 67%), Allocasuarina littoralis (67, 33%), Acacia leiocalyx (33, 33%), Corymbia intermedia (31, 33%), Eucalyptus propinqua (13, 33%)

Frequent species (cover, frequency): Allocasuarina torulosa (10, 67%), Acacia leiocalyx (5, 33%), Allocasuarina littoralis (10, 33%), Corymbia intermedia (5, 33%), Eucalyptus grandis (2, 33%), Eucalyptus propinqua (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

Stratum: T3

Height avg. = 7.0m, 1 site

Crown cover avg. = 8.0%, 1 site

Stem density/ha avg. = 100, 1 site

Dominant species (relative cover, frequency): Syncarpia glomulifera (43, 33%), Polyscias elegans (29, 33%), Backhousia myrtifolia (14, 33%), Alphitonia excelsa (14, 33%)

Frequent species (cover, frequency): Alphitonia excelsa (1, 33%), Backhousia myrtifolia (1, 33%), Polyscias elegans (2, 33%), Syncarpia glomulifera (3, 33%)

Stratum: S1

Height avg. = 2.8m, range 2-4m, 3 sites

Crown cover avg. = 8.3%, range 3.0-12.0%, 3 sites

Stem density/ha avg. = 90, range 20-160, 2 sites

Dominant species (relative cover, frequency): Acacia disparrima subsp. disparrima (57, 67%), Dodonaea triquetra (35, 33%), Lophostemon confertus (33, 33%), Lantana camara (26, 67%), Allocasuarina torulosa (9, 33%)*

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (4, 67%), Lantana camara (3, 67%), Acacia maidenii (1, 33%), Allocasuarina torulosa (1, 33%), Alphitonia excelsa (1, 33%), Breynia oblongifolia (1, 33%), Cinnamomum camphora* (1, 33%), Cordyline stricta (1, 33%), Dodonaea triquetra (4, 33%), Glochidion ferdinandi (1, 33%), Glochidion sumatranum (1, 33%), Hibiscus divaricatus (1, 33%), Lophostemon confertus (1, 33%), Melaleuca salicina (1, 33%), Schefflera actinophylla (1, 33%), Senna pendula var. glabrata* (1, 33%)*

Stratum: G

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

PFC avg. = 58.3%, range 30-90%, 3 sites

Dominant species (relative cover, frequency): Themeda triandra (70, 67%), Imperata cylindrica (23, 67%), Lomandra confertifolia subsp. pallida (18, 33%), Lomandra multiflora subsp. multiflora (18, 33%), Billardiera scandens (7, 33%)

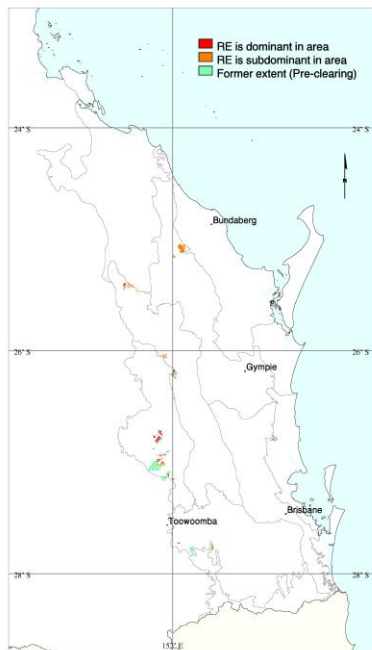
Frequent species (cover, frequency): GRAMINOIDS: Entolasia stricta (1, 100%), Panicum effusum (2, 100%), Imperata cylindrica (11, 67%), Sporobolus laxus (67%), Themeda triandra (55, 67%), Cymbopogon refractus (1, 33%), Eragrostis brownii (1, 33%), Fimbristylis dichotoma (1, 33%), Lepidosperma laterale (1, 33%), Oplismenus aemulus (1, 33%), Paspalidium gausum (1, 33%), Paspalum scrobiculatum (33%), Scleria sphacelata (1, 33%)

FORBS: Dianella caerulea (100%), Alphitonia excelsa (1, 67%), Desmodium rhytidophyllum (1, 67%), Eustrephus latifolius (67%), Glycine clandestina (67%), Goodenia rotundifolia (1, 67%), Oxalis rubens (1, 67%), Xanthorrhoea latifolia (1, 67%), Acacia melanoxylon (33%), Billardiera scandens (3, 33%), Breynia oblongifolia (33%), Brunoniella australis (1, 33%), Cassytha glabella (2, 33%), Conyza bonariensis (1, 33%), Cyanthillium cinereum (1, 33%), Dendrobium aemulum (33%), Dioscorea transversa (1, 33%), Geodorum densiflorum (1, 33%), Glycine cyrtoloba (1, 33%), Gymnostachys anceps (1, 33%), Hypochaeris radicata* (1, 33%), Livistona australis (33%), Livistona decora (1, 33%), Lobelia purpurascens (1, 33%), Lomandra confertifolia subsp. pallida (10, 33%), Lomandra longifolia (2, 33%), Lomandra multiflora (1, 33%), Lomandra multiflora subsp. multiflora (10, 33%), Passiflora suberosa* (1, 33%), Persicaria decipiens (1, 33%), Persoonia virgata (33%), Phyllanthus virgatus (1, 33%), Pimelea linifolia (1, 33%), Pomax umbellata (1, 33%), Pseuderanthemum variabile (1, 33%), Rubus moluccanus (1, 33%), Smilax australis (1, 33%), Stephania japonica (1, 33%), Tetratheca thymifolia (1, 33%), Trema tomentosa (1, 33%), Zieria furfuracea (1, 33%), Zieria minutiflora (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

Angophora leiocarpa, Eucalyptus crebra woodland on sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 14,982 5,364 36%

Species recorded: Total: 134; woody: 41; ground: 117; Avg. spp./site: 44.6; std dev.: 11.3, 8 site(s)

Basal area: Avg./site: 22.0 m²/ha, range: 17.0 - 28 m²/ha, std. deviation: 3 m²/ha, 8 site(s)

Structural formation: Woodland: 88%; open-woodland: 13%, 8 site(s)

Representative sites: 38246, 38252, 38287, 38326, 38364, 38404, 38524, 38625.

Stratum: E

Height avg. = 33.0m, 1 site

Crown cover avg. = 4.0%, 1 site

Stem density/ha avg. = 40, 1 site

Frequent species (cover, frequency): Angophora leiocarpa (13%), Eucalyptus crebra (4, 13%)

Stratum: T1

Height avg. = 21.8m, range 19-27m, 8 sites

Crown cover avg. = 30.1%, range 11.0-45.0%, 8 sites

Stem density/ha avg. = 300, range 160-480, 8 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (41, 100%), Angophora leiocarpa (39, 100%), Eucalyptus longirostrata (17, 75%)

Frequent species (cover, frequency): Angophora leiocarpa (14, 100%), Eucalyptus crebra (12, 100%), Eucalyptus longirostrata (4, 75%), Acacia disparrima subsp. disparrima (1, 13%), Choretrum candollei (13%), Corymbia trachyphloia subsp. trachyphloia (6, 13%), Eucalyptus acmenoides (3, 13%), Eucalyptus tereticornis (5, 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.

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Stratum: T2

Height avg. = 10.9m, range 7-16m, 6 sites

Crown cover avg. = 11.0%, range 3.0-45.0%, 6 sites

Stem density/ha avg. = 230, range 80-680, 6 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (45, 63%), Angophora leiocarpa (40, 63%), Eucalyptus longirostrata (14, 38%)

Frequent species (cover, frequency): Angophora leiocarpa (1, 63%), Eucalyptus crebra (1, 63%), Eucalyptus longirostrata (38%), Acacia disparrima subsp. disparrima (35, 13%), Angophora subvelutina (4, 13%), Corymbia clarksoniana (1, 13%), Eucalyptus acmenoides (2, 13%), Lophostemon suaveolens (4, 13%)

Stratum: T3

Height avg. = 6.0m, range 6-6m, 2 sites

Crown cover avg. = 10.5%, range 1.0-20.0%, 2 sites

Stem density/ha avg. = 580, range 40-1120, 2 sites

Dominant species (relative cover, frequency): Alphitonia excelsa (36, 25%), Angophora leiocarpa (17, 25%)

Frequent species (cover, frequency): Alphitonia excelsa (5, 25%), Angophora leiocarpa (1, 25%), Acacia blakei (4, 13%), Acacia glaucocarpa (13%), Acacia leiocalyx (1, 13%), Allocasuarina littoralis (1, 13%), Amyema miquelii (13%), Cyclophyllum coprosmoides var. coprosmoides (4, 13%), Eucalyptus crebra (13%), Psydrax odorata (3, 13%)

Stratum: S1

Height avg. = 2.5m, range 1.5-4m, 8 sites

Crown cover avg. = 15.3%, range 5.0-38.0%, 8 sites

Stem density/ha avg. = 693, range 100-1360, 8 sites

Dominant species (relative cover, frequency): Acacia blakei (31, 63%), Acacia leiocalyx (29, 75%), Jacksonia scoparia (25, 88%), Acacia disparrima subsp. disparrima (22, 38%), Alphitonia excelsa (9, 75%)

Frequent species (cover, frequency): Jacksonia scoparia (4, 88%), Acacia leiocalyx (4, 75%), Alphitonia excelsa (2, 75%), Acacia blakei (7, 63%), Eucalyptus crebra (1, 63%), Acacia glaucocarpa (50%), Acacia disparrima subsp. disparrima (2, 38%), Angophora leiocarpa (1, 38%), Cassinia laevis (2, 38%), Cyclophyllum coprosmoides var. coprosmoides (38%), Everistia vacciniifolia (38%), Jasminum simplicifolium subsp. australiense (25%), Parsonsia brisbanensis (25%), Acacia maidenii (13%), Acacia penninervis (13%), Alstonia constricta (13%), Alyxia ruscifolia (13%), Billardiera scandens var. scandens (13%), Breynia oblongifolia (13%), Bursaria incana (13%), Denhamia pittosporoides (13%), Dodonaea triangularis (3, 13%), Dodonaea viscosa (13%), Eucalyptus tereticornis (13%), Exocarpos cupressiformis (13%), Hovea lanceolata (13%), Leucopogon trichostylus (13%), Myoporum montanum (13%), Parsonsia straminea (13%), Petalostigma pubescens (13%), Trema tomentosa (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: G

Height avg. = 0.4m, range 0.2-0.6m, 8 sites

PFC avg. = 35.9%, range 7-60%, 8 sites

Stem density/ha avg. = 40, 1 site

Dominant species (relative cover, frequency): Scleria sphacelata (19, 63%), Aristida benthamii var. benthamii (13, 75%), Lomandra confertifolia subsp. pallida (9, 50%), Digitaria parviflora (9, 63%), Cymbopogon refractus (9, 88%)

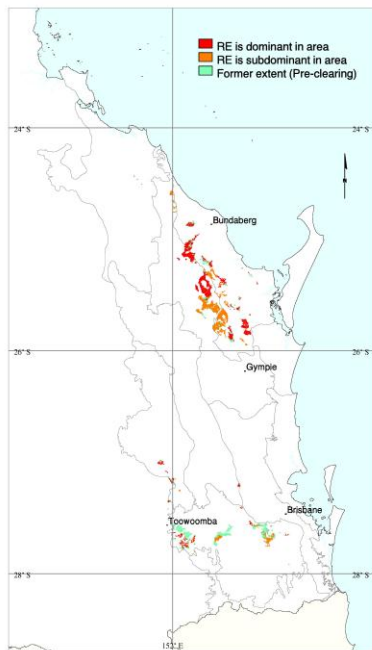
Frequent species (cover, frequency): GRAMINOIDS: Digitaria ramularis (2, 100%), Aristida gracilipes (2, 88%), Cymbopogon refractus (4, 88%), Aristida benthamii var. benthamii (5, 75%), Aristida calycina (3, 75%), Digitaria parviflora (4, 63%), Entolasia stricta (1, 63%), Panicum simile (3, 63%), Paspalidium distans (2, 63%), Scleria sphacelata (9, 63%), Eragrostis brownii (1, 50%), Eremochloa bimaculata (2, 50%), Chrysopogon sylvaticus (3, 38%), Gahnia aspera (1, 38%), Paspalidium criniforme (2, 38%), Chloris divaricata (1, 25%), Eragrostis spartinoides (1, 25%), Juncus continuus (25%), Sporobolus elongatus (2, 25%), Ancistrachne uncinulata (1, 13%), Aristida queenslandica var. queenslandica (1, 13%), Cyperus gracilis (1, 13%), Enneapogon polyphyllus (13%), Enteropogon unispiceus (2, 13%), Eragrostis lacunaria (1, 13%), Fimbristylis dichotoma (13%), Microlaena stipoides (2, 13%), Panicum decompositum (13%), Sporobolus creber (13%), Themeda triandra (2, 13%)

FORBS: Breynia oblongifolia (75%), Cyathillium cinereum (75%), Dianella revoluta (75%), Lomandra filiformis (1, 75%), Acacia glaucocarpa (63%), Cheilanthes sieberi (63%), Persoonia sericea (63%), Pomax umbellata (63%), Alphonsonia excelsa (50%), Brunoniella australis (50%), Cassinia laevis (50%), Jasminum simplicifolium subsp. australiense (50%), Laxmannia gracilis (50%), Leucopogon trichostylus (50%), Lomandra confertifolia subsp. pallida (3, 50%), Lomandra longifolia (1, 50%), Opuntia stricta (50%), Phyllanthus virgatus (50%), Solanum nemophilum (50%), Alyxia ruscifolia (38%), Chrysocephalum apiculatum (38%), Desmodium rhytidophyllum (38%), Dianella longifolia (38%), Dianella longifolia var. longifolia (38%), Goodenia bellidifolia (38%), Hardenbergia violacea (38%), Lobelia purpurascens (38%), Oxalis corniculata* (38%), Pittosporum viscidum (38%), Solanum stelligerum (38%), Acacia leiocalyx (25%), Acacia maidenii (25%), Bossiaea prostrata (1, 25%), Calotis dentex (1, 25%), Choretrum candollei (1, 25%), Cyclophyllum coprosmoides var. coprosmoides (25%), Desmodium brachypodum (25%), Dichondra repens (25%), Dodonaea triangularis (25%), Glycine tabacina (25%), Goodenia rotundifolia (25%), Hibbertia cistoidea (25%), Hibbertia linearis (25%), Hibbertia linearis var. obtusifolia (25%), Jacksonia scoparia (25%), Maytenus bilocularis (25%), Mentha diemenica (2, 25%), Wahlenbergia gracilis (25%), Acacia blakei (13%), Ajuga australis (13%), Angophora leiocarpa (13%), Artanema fimbriatum (13%), Cupaniopsis parvifolia (13%), Cyclophyllum coprosmoides (13%), Dodonaea viscosa (13%), Einadia hastata (13%), Eucalyptus crebra (13%), Euroschinus falcatus (13%), Everistia vacciniifolia (13%), Exocarpos cupressiformis (13%), Glossocardia bidens (13%), Glycine clandestina (13%), Gomphocarpus physocarpus* (13%), Hibbertia stricta (1, 13%), Hovea heterophylla (13%), Hovea lanceolata (13%), Jasminum suavissimum (13%), Lantana camara* (13%), Lissanthe strigosa (13%), Lomandra multiflora (1, 13%), Melichrus procumbens (13%), Olearia canescens (13%), Opuntia tomentosa* (13%), Parsonsia straminea (13%), Passiflora aurantia (13%), Petalostigma pubescens (13%), Phyllanthus fuernrohrii (13%), Psydrax odorata (13%), Sida cordifolia* (13%), Sida hackettiana (13%), Solanum americanum (13%), Solanum corifolium (13%), Stylidium graminifolium (13%), Trema tomentosa*

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 fibrosa subsp. fibrosa woodland on sedimentary rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 52,981 38,128 72%

Species recorded: Total: 168; woody: 69; ground: 117; Avg. spp./site: 30.1; std dev.: 4.6, 15 site(s)

Basal area: Avg./site: 14.9 m²/ha, range: 11.0 - 19 m²/ha, std. deviation: 2 m²/ha, 15 site(s)

Structural formation: Woodland: 87%; open-forest: 13%, 15 site(s)

Representative sites: 14025, 14046, 14047, 14062, 15470, 15529, 15530, 15531, 15532, 15535, 15536, 15540, 15794, 15810, 37164.

Stratum: T1

Height avg. = 22.5m, range 17-28m, 15 sites

Crown cover avg. = 41.8%, range 27.0-55.0%, 15 sites

Stem density/ha avg. = 200, range 160-260, 3 sites

Dominant species (relative cover, frequency): Eucalyptus fibrosa subsp. fibrosa (58, 100%), Corymbia intermedia (30, 27%), Eucalyptus portuensis (27, 27%), Angophora leiocarpa (17, 40%), Eucalyptus major (16, 27%)

Frequent species (cover, frequency): Eucalyptus fibrosa subsp. fibrosa (24, 100%), Angophora leiocarpa (7, 40%), Corymbia citriodora subsp. variegata (6, 27%), Corymbia intermedia (11, 27%), Eucalyptus major (7, 27%), Eucalyptus portuensis (11, 27%), Eucalyptus longirostrata (13, 13%), Eucalyptus acmenoides (7%), Eucalyptus carnea (4, 7%), Eucalyptus melanoleuca (14, 7%), Eucalyptus montivaga (15, 7%), Eucalyptus sideroxylon (24, 7%), Eucalyptus tindaliae (12, 7%)

Stratum: T2

Height avg. = 12.2m, range 9-18m, 13 sites

Crown cover avg. = 14.4%, range 1.0-35.0%, 13 sites

Stem density/ha avg. = 140, range 20-340, 3 sites

Dominant species (relative cover, frequency): Eucalyptus fibrosa subsp. fibrosa (60, 53%), Eucalyptus major (30, 47%)

Frequent species (cover, frequency): Eucalyptus fibrosa subsp. fibrosa (5, 53%), Eucalyptus major (7, 47%), Corymbia intermedia (7, 20%), Allocasuarina littoralis (10, 13%), Eucalyptus moluccana (3, 13%), Lophostemon confertus (10, 13%), Angophora leiocarpa (9, 7%), Angophora woodsiana (7%), Corymbia citriodora subsp. variegata (1, 7%), Eucalyptus exserta (1, 7%), Eucalyptus longirostrata (5, 7%), Eucalyptus melanoleuca (8, 7%), Eucalyptus montivaga (3, 7%), Eucalyptus sideroxylon (5, 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.

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Stratum: T3

Height avg. = 5.8m, range 4.5-9m, 9 sites

Crown cover avg. = 18.3%, range 0.0-35.0%, 9 sites

Stem density/ha avg. = 770, range 40-1500, 2 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (48, 27%)

Frequent species (cover, frequency): Allocasuarina littoralis (7, 27%), Eucalyptus major (5, 20%), Angophora leiocarpa (7, 13%), Corymbia intermedia (4, 13%), Eucalyptus fibrosa subsp. fibrosa (1, 13%), Lophostemon confertus (19, 13%), Acacia blakei subsp. blakei (17, 7%), Acacia blakei subsp. diphylla (12, 7%), Acacia leiocalyx (7, 7%), Acacia loroloba (8, 7%), Allocasuarina torulosa (10, 7%), Eucalyptus moluccana (2, 7%), Eucalyptus montivaga (7%)

Stratum: S1

Height avg. = 2.4m, range 1-4m, 14 sites

Crown cover avg. = 19.1%, range 3.0-50.0%, 14 sites

Stem density/ha avg. = 1900, 1 site

Dominant species (relative cover, frequency): Acacia leiocalyx (42, 47%), Allocasuarina littoralis (29, 33%), Acacia complanata (13, 27%), Alphitonia excelsa (8, 33%), Acacia disparrima subsp. disparrima (2, 27%)

Frequent species (cover, frequency): Acacia leiocalyx (6, 47%), Allocasuarina littoralis (6, 33%), Alphitonia excelsa (1, 33%), Acacia complanata (1, 27%), Acacia disparrima subsp. disparrima (27%), Acacia falcata (20%), Acacia loroloba (15, 20%), Lophostemon confertus (7, 20%), Acacia ixiophylla (9, 13%), Acacia maidenii (2, 13%), Alstonia constricta (1, 13%), Corymbia intermedia (1, 13%), Eucalyptus fibrosa subsp. fibrosa (2, 13%), Eucalyptus major (3, 13%), Monotoca scoparia (13%), Xanthorrhoea johnsonii (5, 13%), Acacia blakei subsp. diphylla (3, 7%), Acacia fimbriata (7%), Acacia juncifolia (7%), Acacia sertiformis (1, 7%), Allocasuarina torulosa (3, 7%), Banksia spinulosa var. collina (3, 7%), Celastrus subspicata (7%), Clerodendrum floribundum (7%), Corymbia citriodora subsp. variegata (37, 7%), Corymbia trachyphloia subsp. trachyphloia (7%), Daviesia ulicifolia (7%), Daviesia villifera (2, 7%), Denhamia pittosporoides (1, 7%), Eucalyptus acmenoides (7%), Eucalyptus exserta (7%), Eucalyptus melanoleuca (3, 7%), Eucalyptus montivaga (7%), Eucalyptus sideroxylon (1, 7%), Hakea eriantha (7%), Hovea pannosa (7%), Jacksonia scoparia (10, 7%), Leptospermum polygalifolium (35, 7%), Maytenus bilocularis (7%), Myrsine variabilis (7%), Notelaea linearis (12, 7%), Notelaea microcarpa (1, 7%), Persoonia sericea (7%), Pomaderris queenslandica (2, 7%), Psydrax odorata (3, 7%), Pultenaea microphylla (2, 7%), Pultenaea villosa (2, 7%)

Stratum: S2

Height avg. = 1.7m, range 1-2m, 7 sites

Crown cover avg. = 16.4%, range 7.0-30.0%, 7 sites

Dominant species (relative cover, frequency): Astrotricha latifolia (12, 27%), Alphitonia excelsa (6, 27%)

Frequent species (cover, frequency): Alphitonia excelsa (1, 27%), Astrotricha latifolia (2, 27%), Daviesia villifera (20%), Dodonaea triangularis (10, 20%), Acacia ixiophylla (6, 13%), Acacia loroloba (7, 13%), Allocasuarina littoralis (7, 13%), Alyxia ruscifolia (13%), Cassinia quinquefaria (1, 13%), Choretrum candollei (2, 13%), Jacksonia scoparia (4, 13%), Xanthorrhoea johnsonii (3, 13%), Acacia fimbriata (1, 7%), Acacia leiocalyx (3, 7%), Acacia maidenii (4, 7%), Acacia penninervis (2, 7%), Alstonia constricta (4, 7%), Boronia indet. (1, 7%), Bursaria spinosa (1, 7%), Cassinia compacta (5, 7%), Goodenia ovata (2, 7%), Lantana camara (7%), Leucopogon juniperinus (7%), Passiflora aurantia (7%), Psydrax odorata (7%), Solanum ellipticum (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. = 0.6m, range 0.3-1m, 15 sites

PFC avg. = 41.0%, range 5-70%, 15 sites

Dominant species (relative cover, frequency): *Entolasia stricta* (24, 93%), *Scleria sphacelata* (24, 27%), *Lomandra confertifolia* subsp. *pallida* (19, 40%), *Themeda triandra* (18, 33%), *Xanthorrhoea johnsonii* (16, 33%)

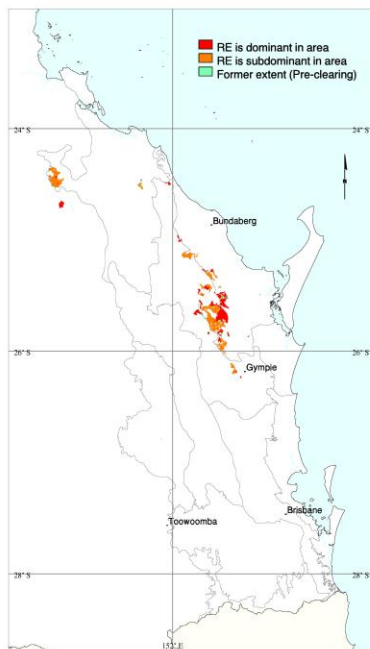
Frequent species (cover, frequency): GRAMINOIDS: *Entolasia stricta* (13, 93%), *Lepidosperma laterale* (3, 60%), *Cymbopogon refractus* (3, 40%), *Themeda triandra* (6, 33%), *Gahnia aspera* (1, 27%), *Panicum effusum* (1, 27%), *Scleria sphacelata* (12, 27%), *Aristida queenslandica* (1, 20%), *Aristida calycina* (1, 13%), *Aristida queenslandica* var. *dissimilis* (13%), *Aristida vagans* (1, 13%), *Austrostipa pubescens* (2, 13%), *Chrysopogon sylvaticus* (13, 13%), *Digitaria parviflora* (1, 13%), *Eriachne glabrata* (2, 13%), *Aristida lignosa* (1, 7%), *Arundinella nepalensis* (3, 7%), *Austrostipa rudis* subsp. *rudis* (7%), *Enneapogon lindleyanus* (7%), *Enteropogon paucispiceus* (1, 7%), *Eremochloa bimaculata* (10, 7%), *Fimbristylis dichotoma* (1, 7%), *Imperata cylindrica* (1, 7%), *Lepidosperma laterale* var. *laterale* (1, 7%), *Microlaena stipoides* var. *stipoides* (7%), *Paspalidium indet.* (1, 7%), *Poa sieberiana* (12, 7%)

FORBS: *Pomax umbellata* (1, 47%), *Lomandra confertifolia* subsp. *pallida* (3, 40%), *Cyanthillium cinereum* (33%), *Eustrephus latifolius* (33%), *Hardenbergia violacea* (33%), *Lomandra filiformis* (6, 33%), *Melichrus urceolatus* (2, 33%), *Opuntia tomentosa** (33%), *Xanthorrhoea johnsonii* (7, 33%), *Cheilanthes distans* (1, 27%), *Desmodium rhytidophyllum* (27%), *Dianella caerulea* (27%), *Dianella revoluta* (1, 27%), *Lantana camara** (27%), *Cheilanthes sieberi* (1, 20%), *Daviesia acicularis* (1, 20%), *Dodonaea triangularis* (3, 20%), *Goodenia rotundifolia* (20%), *Lomandra multiflora* (1, 20%), *Seringia corollata* (1, 20%), *Stylidium laricifolium* (1, 20%), *Acacia loroloba* (1, 13%), *Brunoniella australis* (13%), *Calotis dentex* (13%), *Dianella longifolia* (13%), *Galactia tenuiflora* (13%), *Glycine clandestina* (13%), *Goodenia ovata* (4, 13%), *Jacksonia scoparia* (9, 13%), *Persoonia sericea* (1, 13%), *Phyllanthus virgatus* (13%), *Plectranthus parviflorus* (1, 13%), *Pseuderanthemum variabile* (13%), *Acacia amblygona* (15, 7%), *Acacia ixiophylla* (2, 7%), *Acacia leiocalyx* (1, 7%), *Acacia ulicifolia* (7%), *Allocasuarina littoralis* (1, 7%), *Alphitonia excelsa* (2, 7%), *Angophora leiocarpa* (1, 7%), *Astrotricha latifolia* (2, 7%), *Boronia glabra* (8, 7%), *Breynia oblongifolia* (1, 7%), *Bursaria spinosa* (2, 7%), *Bursaria spinosa* subsp. *spinosa* (7%), *Calochlaena dubia* (1, 7%), *Commelina diffusa* (1, 7%), *Crassula sieberiana* subsp. *sieberiana* (1, 7%), *Cyclophyllum coprosmoides* (7%), *Dianella longifolia* var. *stupata* (7%), *Doodia caudata* (1, 7%), *Einadia hastata* (3, 7%), *Gomphocarpus physocarpus** (7%), *Goodenia bellidifolia* subsp. *argentea* (7%), *Goodenia delicata* (7%), *Goodenia hederacea* (1, 7%), *Gymnostachys anceps* (7%), *Hibbertia stricta* (1, 7%), *Hybanthus indet.* (1, 7%), *Hybanthus monopetalus* (1, 7%), *Hybanthus stellarioides* (1, 7%), *Indigofera australis* (7%), *Jasminum didymum* subsp. *racemosum* (7%), *Jasminum simplicifolium* (7%), *Lissanthe strigosa* (1, 7%), *Lissanthe strigosa* subsp. *subulata* (3, 7%), *Lomandra filiformis* subsp. *filiformis* (5, 7%), *Lomandra multiflora* subsp. *multiflora* (7%), *Lomatia silaifolia* (7%), *Lophostemon suaveolens* (7%), *Malvastrum americanum* var. *americanum** (7%), *Marsdenia brevis* (7%), *Marsdenia fraseri* (7%), *Monotoca scoparia* (1, 7%), *Olearia nernstii* (7%), *Opercularia diphylla* (7%), *Passiflora subpeltata** (7%), *Patersonia sericea* var. *sericea* (7%), *Petrophile canescens* (7%), *Phyllanthus gunnii* (1, 7%), *Phyllanthus mitchellii* (2, 7%), *Pterostylis ophioglossa* (1, 7%), *Pultenaea microphylla* (7%), *Pultenaea petiolaris* (4, 7%), *Sida filiformis* (1, 7%), *Sigesbeckia orientalis* (7%), *Solanum ellipticum* (1, 7%), *Solanum nemophilum* (1, 7%), *Solanum stelligerum* (7%), *Westringia eremicola* (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 acmenoides or E. portuensis woodland usually with Corymbia trachyphloia on Cainozoic to Proterozoic sediments


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 39,901 33,005 83%

Species recorded: Total: 77; woody: 25; ground: 54; Avg. spp./site: 34.0; std dev.: 11.0, 3 site(s)

Basal area: Avg./site: 13.7 m²/ha, range: 9.0 - 18 m²/ha, std. deviation: 4 m²/ha, 3 site(s)

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

Representative sites: 14084, 14218, 40452.

Stratum: T1

Height avg. = 24.0m, range 17-30m, 3 sites

Crown cover avg. = 33.0%, range 15.0-44.0%, 3 sites

Stem density/ha avg. = 50, range 20-80, 2 sites

Dominant species (relative cover, frequency): Eucalyptus major (100, 33%), Corymbia trachyphloia subsp. trachyphloia (65, 67%), Corymbia citriodora subsp. variegata (30, 33%), Eucalyptus portuensis (20, 33%), Eucalyptus exserta (10, 33%)

Frequent species (cover, frequency): Corymbia trachyphloia subsp. trachyphloia (29, 67%), Angophora leiocarpa (4, 33%), Corymbia citriodora subsp. variegata (12, 33%), Eucalyptus acmenoides (33%), Eucalyptus exserta (4, 33%), Eucalyptus major (14, 33%), Eucalyptus portuensis (8, 33%), Lophostemon suaveolens (33%)

Stratum: T2

Height avg. = 11.5m, range 8-15m, 2 sites

Crown cover avg. = 16.5%, range 2.0-31.0%, 2 sites

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

Dominant species (relative cover, frequency): Corymbia trachyphloia subsp. trachyphloia (69, 67%), Lophostemon suaveolens (26, 33%), Allocasuarina torulosa (23, 33%), Eucalyptus acmenoides (6, 33%), Corymbia intermedia (6, 33%)

Frequent species (cover, frequency): Corymbia trachyphloia subsp. trachyphloia (6, 67%), Allocasuarina torulosa (7, 33%), Corymbia intermedia (2, 33%), Eucalyptus acmenoides (2, 33%), Lophostemon suaveolens (8, 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. = 3.0m, range 2-4.5m, 3 sites

Crown cover avg. = 43.3%, range 10.0-80.0%, 3 sites

Stem density/ha avg. = 540, 1 site

Dominant species (relative cover, frequency): *Lophostemon confertus* (97, 67%), *Acacia leiocalyx* (50, 33%), *Acacia disparrima* subsp. *disparrima* (19, 67%), *Alphitonia excelsa* (13, 33%), *Alstonia constricta* (2, 33%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (15, 67%), *Lophostemon confertus* (24, 67%), *Acacia crassa* subsp. *longicoma* (33%), *Acacia julifera* (33%), *Acacia leiocalyx* (40, 33%), *Alphitonia excelsa* (10, 33%), *Alstonia constricta* (1, 33%), *Corymbia trachyphloia* subsp. *trachyphloia* (33%), *Dampiera discolor* (33%), *Dioscorea transversa* (33%), *Hibiscus divaricatus* (33%), *Jacksonia scoparia* (33%), *Marsdenia lloydii* (33%), *Ricinocarpos* sp. (*Blackdown Tableland R.J.Henderson H610*) (33%), *Syncarpia glomulifera* (33%), *Zanthoxylum brachyacanthum* (33%)

Stratum: G

Height avg. = 0.5m, range 0.4-0.8m, 3 sites

PFC avg. = 55.0%, range 25-100%, 3 sites

Dominant species (relative cover, frequency): *Dodonaea triangularis* (96, 33%), *Cleistochloa subjuncea* (63, 33%), *Entolasia stricta* (24, 67%), *Digitaria parviflora* (11, 33%), *Paspalidium distans* (11, 33%)

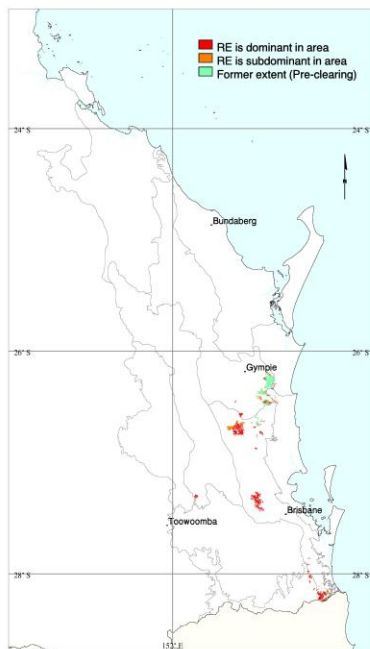
Frequent species (cover, frequency): GRAMINOIDS: *Entolasia stricta* (17, 67%), *Eremochloa bimaculata* (3, 67%), *Eriachne pallescens* (5, 67%), *Alloteropsis semialata* (1, 33%), *Ancistrachne uncinulata* (33%), *Aristida* indet. (33%), *Aristida queenslandica* var. *queenslandica* (2, 33%), *Cleistochloa subjuncea* (15, 33%), *Cymbopogon refractus* (1, 33%), *Digitaria breviglumis* (1, 33%), *Digitaria minima* (1, 33%), *Digitaria parviflora* (10, 33%), *Eragrostis spartinoides* (2, 33%), *Imperata cylindrica* (4, 33%), *Lepidosperma laterale* (33%), *Microlaena stipoides* (1, 33%), *Panicum effusum* (4, 33%), *Paspalidium distans* (10, 33%), *Paspalum scrobiculatum* (1, 33%), *Themeda triandra* (1, 33%)

FORBS: *Dianella longifolia* (67%), *Hybanthus stellarioides* (67%), *Lomandra filiformis* (67%), *Bossiaea carinalis* (1, 33%), *Brunoniella australis* (33%), *Clerodendrum floribundum* (33%), *Cyanthillium cinereum* (33%), *Desmodium gunnii* (33%), *Dianella caerulea* (33%), *Dodonaea triangularis* (35, 33%), *Einadia hastata* (33%), *Emilia sonchifolia** (33%), *Geodorum densiflorum* (1, 33%), *Glycine clandestina* var. *clandestina* (33%), *Glycine cyrtoloba* (33%), *Gomphocarpus physocarpus** (33%), *Hardenbergia violacea* (33%), *Harnieria hygrophiloides* (33%), *Hibbertia linearis* var. *obtusifolia* (33%), *Hibbertia stricta* (33%), *Iphigenia indica* (33%), *Lantana camara** (33%), *Lobelia purpurascens* (5, 33%), *Lomandra laxa* (5, 33%), *Lomandra multiflora* (33%), *Oxalis* indet. (33%), *Passiflora foetida** (33%), *Passiflora suberosa** (2, 33%), *Phyllanthus* indet. (33%), *Solanum stelligerum* (33%), *Tragia novae-hollandiae* (33%), *Wikstroemia indica* (33%), *Xanthorrhoea johnsonii* (33%), *Xanthorrhoea latifolia* (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 saligna or E. grandis, E. microcorys, Lophostemon confertus tall open-forest on metamorphics +/- interbedded volcanics

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 19,969 13,591 68%

Species recorded: Total: 140; woody: 27; ground: 116; Avg. spp./site: 59.0; std dev.: 6.5, 3 site(s)

Basal area: Avg./site: 29.3 m²/ha, range: 20.0 - 38 m²/ha, std. deviation: 7 m²/ha, 3 site(s)

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

Representative sites: 19827, 19844, 19897.

Stratum: T1

Height avg. = 30.0m, range 25-35m, 3 sites

Crown cover avg. = 50.0%, range 40.0-60.0%, 3 sites

Stem density/ha avg. = 220, 1 site

Dominant species (relative cover, frequency): Eucalyptus saligna (76, 33%), Eucalyptus grandis (72, 67%), Corymbia intermedia (20, 33%), Eucalyptus microcorys (15, 67%), Lophostemon confertus (12, 67%)

Frequent species (cover, frequency): Eucalyptus grandis (33, 67%), Eucalyptus microcorys (8, 67%), Lophostemon confertus (6, 67%), Corymbia intermedia (8, 33%), Eucalyptus propinqua (4, 33%), Eucalyptus saligna (44, 33%), Sloanea woollsii (33%)

Stratum: T2

Height avg. = 12.3m, range 7-18m, 3 sites

Crown cover avg. = 23.3%, range 10.0-50.0%, 3 sites

Stem density/ha avg. = 300, 1 site

Dominant species (relative cover, frequency): Allocasuarina torulosa (52, 67%), Lophostemon confertus (47, 67%), Cryptocarya microneura (18, 33%), Archirhodomyrtus beckleri (18, 33%), Corymbia intermedia (14, 100%)

Frequent species (cover, frequency): Corymbia intermedia (2, 100%), Allocasuarina torulosa (14, 67%), Lophostemon confertus (15, 67%), Archidendron muellerianum (1, 33%), Archirhodomyrtus beckleri (2, 33%), Caldcuvia paniculosa (2, 33%), Ceratopetalum apetalum (33%), Cryptocarya microneura (2, 33%), Endiandra globosa (1, 33%), Eucalyptus microcorys (33%), Eucalyptus saligna (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: T3

Height avg. = 6.0m, 1 site

Crown cover avg. = 9.0%, 1 site

Dominant species (relative cover, frequency): *Lophostemon confertus* (33, 33%), *Callicoma serratifolia* (33, 33%), *Archontophoenix cunninghamiana* (11, 33%), *Allocasuarina torulosa* (11, 33%), *Acronychia suberosa* (11, 33%)

Frequent species (cover, frequency): *Acronychia suberosa* (1, 33%), *Allocasuarina torulosa* (1, 33%), *Archontophoenix cunninghamiana* (1, 33%), *Callicoma serratifolia* (3, 33%), *Lophostemon confertus* (3, 33%), *Syzygium oleosum* (33%)

Stratum: S1

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

Crown cover avg. = 12.0%, range 1.0-25.0%, 3 sites

Stem density/ha avg. = 100, 1 site

Dominant species (relative cover, frequency): *Lophostemon confertus* (40, 33%), *Guioa semiglauca* (40, 33%), *Eucalyptus microcorys* (30, 33%), *Acacia maidenii* (30, 33%), *Schizomeria ovata* (30, 33%)

Frequent species (cover, frequency): *Lantana camara** (3, 67%), *Acacia maidenii* (33%), *Acronychia suberosa* (1, 33%), *Archidendron muellerianum* (3, 33%), *Archirhodomyrtus beckeri* (2, 33%), *Caldcluvia paniculosa* (1, 33%), *Cinnamomum camphora** (1, 33%), *Cryptocarya microneura* (3, 33%), *Eucalyptus microcorys* (33%), *Geissois benthamii* (1, 33%), *Guioa semiglauca* (10, 33%), *Hovea acutifolia* (2, 33%), *Lophostemon confertus* (33%), *Macaranga tanarius* (1, 33%), *Neolitsea dealbata* (1, 33%), *Schizomeria ovata* (3, 33%)

Stratum: G

Height avg. = 0.6m, range 0.4-0.8m, 3 sites

PFC avg. = 41.7%, range 10-90%, 3 sites

Dominant species (relative cover, frequency): *Calochlaena dubia* (32, 100%), *Adiantum silvaticum* (22, 33%), *Imperata cylindrica* (20, 67%), *Blechnum cartilagineum* (18, 67%), *Cyathea leichhardtiana* (15, 33%)

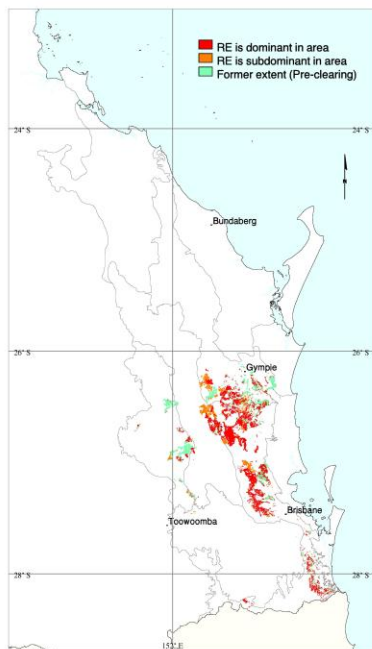
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (18, 67%), *Oplismenus imbecillis* (67%), *Digitaria parviflora* (2, 33%), *Entolasia stricta* (1, 33%), *Microlaena stipoides* (33%), *Ottocloa gracillima* (33%), *Poa cheelii* (33%)
FORBS: *Calochlaena dubia* (15, 100%), *Cissus hypoglaucula* (100%), *Dianella caerulea* (100%), *Dioscorea transversa* (100%), *Smilax australis* (100%), *Ageratina adenophora** (67%), *Alpinia caerulea* (67%), *Billardiera scandens* (67%), *Blechnum cartilagineum* (4, 67%), *Cordyline congesta* (67%), *Geitonoplesium cymosum* (67%), *Hedraianthera porphyropetala* (67%), *Lobelia purpurascens* (67%), *Lomandra longifolia* (67%), *Passiflora subpeltata** (67%), *Polyscias sambucifolia* (67%), *Pteridium esculentum* (14, 67%), *Rubus moluccanus* var. *trilobus* (67%), *Synoum glandulosum* (67%), *Wilkiea huegeliana* (67%), *Abrophyllum ornans* (33%), *Acacia disparrima* subsp. *disparrima* (33%), *Acacia melanoxylon* (33%), *Acronychia pubescens* (33%), *Adiantum hispidulum* (33%), *Adiantum silvaticum* (3, 33%), *Ageratina riparia** (33%), *Alphitonia excelsa* (33%), *Arachniodes aristata* (1, 33%), *Archidendron grandiflorum* (33%), *Astrotricha latifolia* (33%), *Atractocarpus benthamianus* subsp. *glaber* (33%), *Breynia oblongifolia* (33%), *Cayratia clematidea* (33%), *Centratherum riparium* (33%), *Cephalalaria cephalobotrys* (33%), *Cinnamomum camphora** (33%), *Cirsium vulgare** (33%), *Clematicissus opaca* (33%), *Cordyline petiolaris* (33%), *Cordyline rubra* (33%), *Cryptocarya glaucescens* (33%), *Cryptocarya meisneriana* (33%), *Cupaniopsis newmanii* (33%), *Cyanthillium cinereum* (33%), *Cyathea australis* (33%), *Cyathea leichhardtiana* (2, 33%), *Cyclophyllum coprosmoides* (33%), *Daviesia arborea* (33%), *Denhamia celastroides* (33%), *Desmodium rhytidophyllum* (33%), *Diplazium australe* (33%), *Dysoxylum fraserianum* (33%), *Echinostephia aculeata* (33%), *Elaeocarpus grandis* (33%), *Elaeocarpus kertonii* (33%), *Elaeocarpus obovatus* (33%), *Endiandra discolor* (33%), *Eupomatia laurina* (33%), *Eustrephus latifolius* (33%), *Ficus coronata* (33%), *Ficus fraseri* (33%), *Flagellaria indica* (33%), *Geranium solanderi* (33%), *Glochidion ferdinandi* (33%), *Gomphocarpus physocarpus** (33%), *Guioa semiglauca* (33%), *Hardenbergia violacea* (33%), *Hibbertia dentata* (33%), *Hibbertia scandens* (33%), *Hicksbeachia pinnatifolia* (33%), *Hodgkinsonia ovatiflora* (33%), *Hybanthus stellarioides* (33%), *Indigofera australis* (33%), *Jagera pseudorhus* (33%), *Kennedia rubicunda* (33%), *Lastreopsis marginans* (33%), *Maclura cochinchinensis* (33%), *Mallotus philippensis* (33%), *Myoporum montanum* (33%), *Myrsine subsessilis* (33%), *Neolitsea dealbata* (33%), *Notelaea longifolia* (33%), *Olea paniculata* (33%), *Palmeria scandens* (33%), *Passiflora edulis** (33%), *Persoonia media* (33%), *Petermannia cirrosa* (33%), *Pilidiostigma glabrum* (33%), *Pimelea latifolia* (33%), *Pimelea latifolia* subsp. *altior* (33%), *Pittosporum revolutum* (33%), *Poranthera microphylla* (33%), *Pseuderanthemum variabile* (33%), *Psychotria daphnoides* (33%), *Psychotria loniceroides* (33%), *Pterostylis nutans* (33%), *Quintinia verdonii* (33%), *Rhodamnia rubescens* (33%), *Rubus moluccanus* var. *moluccanus* (33%), *Senna pendula* (33%), *Senna pendula* var. *glabrata** (33%), *Solanum mauritianum** (33%), *Stephania japonica* (33%), *Sticherus flabellatus* var. *flabellatus* (33%), *Streptothamnus moorei* (33%), *Trema tomentosa* (33%), *Trochocarpa laurina* (33%), *Viola hederacea* (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 siderophloia, E. propinqua +/- E. microcorys, Lophostemon confertus, Corymbia intermedia, E. acmenoides open-forest on metamorphics +/- interbedded volcanics



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 142,867 96,476 68%

Species recorded: Total: 283; woody: 74; ground: 241; Avg. spp./site: 55.1; std dev.: 15.4, 15 site(s)

Basal area: Avg./site: 25.5 m²/ha, range: 19.0 - 35 m²/ha, std. deviation: 5 m²/ha, 15 site(s)

Structural formation: Open-forest: 73%; woodland: 20%; closed-forest: 7%, 15 site(s)

Representative sites: 14197, 14289, 19739, 19749, 19770, 19772, 19775, 19777, 19835, 19872, 19878, 19891, 19892, 40857, 40870.

Stratum: T1

Height avg. = 25.2m, range 22-28m, 15 sites

Crown cover avg. = 62.1%, range 40.0-85.0%, 15 sites

Stem density/ha avg. = 223, range 60-480, 13 sites

Dominant species (relative cover, frequency): Eucalyptus acmenoides (39, 33%), Eucalyptus propinqua (32, 87%), Eucalyptus microcorys (26, 67%), Lophostemon confertus (22, 40%), Eucalyptus carnea (18, 27%)

Frequent species (cover, frequency): Eucalyptus propinqua (20, 87%), Eucalyptus siderophloia (10, 80%), Corymbia intermedia (7, 67%), Eucalyptus microcorys (15, 67%), Lophostemon confertus (13, 40%), Eucalyptus acmenoides (26, 33%), Eucalyptus carnea (14, 27%), Corymbia citriodora subsp. variegata (13, 13%), Eucalyptus biturbinata (9, 13%), Angophora leiocarpa (5, 7%), Eucalyptus major (10, 7%), Eucalyptus tereticornis (10, 7%)

Stratum: T2

Height avg. = 9.8m, range 7-18m, 15 sites

Crown cover avg. = 10.1%, range 3.0-20.0%, 15 sites

Stem density/ha avg. = 321, range 40-1200, 14 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (48, 53%), Lophostemon confertus (34, 73%), Eucalyptus propinqua (29, 33%), Acacia disparrima subsp. disparrima (24, 40%), Eucalyptus siderophloia (20, 33%)

Frequent species (cover, frequency): Lophostemon confertus (4, 73%), Allocasuarina torulosa (5, 53%), Acacia disparrima subsp. disparrima (2, 40%), Eucalyptus propinqua (1, 33%), Eucalyptus siderophloia (3, 33%), Corymbia intermedia (1, 20%), Eucalyptus acmenoides (4, 20%), Eucalyptus carnea (3, 20%), Eucalyptus microcorys (1, 20%), Lophostemon suaveolens (20%), Alphitonia excelsa (1, 13%), Allocasuarina littoralis (1, 7%), Amyema miquelii (7%), Corymbia citriodora subsp. variegata (1, 7%), Elaeocarpus obovatus (1, 7%), Erythrina vespertilio (4, 7%), Mallotus philippensis (7%), Olea paniculata (1, 7%), Polyscias elegans (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: T3

Height avg. = 6.5m, range 5-8m, 2 sites

Crown cover avg. = 5.0%, range 5.0-5.0%, 2 sites

Stem density/ha avg. = 40, 1 site

Frequent species (cover, frequency): Alectryon reticulatus (1, 7%), Corymbia citriodora subsp. variegata (2, 7%), Eucalyptus microcorys (2, 7%), Eucalyptus propinqua (1, 7%), Lophostemon confertus (7%), Mallotus philippensis (7%), Pandorea pandorana (7%), Rhodospaera rhodanthema (4, 7%)

Stratum: S1

Height avg. = 2.4m, range 1.5-3m, 15 sites

Crown cover avg. = 10.5%, range 2.0-30.0%, 15 sites

Stem density/ha avg. = 1330, range 440-2800, 14 sites

Dominant species (relative cover, frequency): Lantana camara (39, 87%), Acacia irrorata (37, 27%), Acacia disparrima subsp. disparrima (16, 53%), Lophostemon confertus (8, 80%), Allocasuarina torulosa (8, 33%)*

Frequent species (cover, frequency): Lantana camara (5, 87%), Lophostemon confertus (1, 80%), Acacia disparrima subsp. disparrima (1, 53%), Eucalyptus siderophloia (47%), Allocasuarina torulosa (1, 33%), Breynia oblongifolia (1, 33%), Eucalyptus microcorys (33%), Acacia irrorata (5, 27%), Acacia maidenii (27%), Alphitonia excelsa (27%), Daviesia arborea (3, 20%), Eucalyptus acmenoides (20%), Wikstroemia indica (1, 20%), Acacia concurrens (13%), Acacia melanoxylon (13%), Bursaria spinosa (1, 13%), Corymbia citriodora subsp. variegata (13%), Exocarpos cupressiformis (1, 13%), Indigofera australis (2, 13%), Leucopogon juniperinus (13%), Trochocarpa laurina (1, 13%), Acacia binervata (1, 7%), Acalypha nemorum (1, 7%), Acrotriche aggregata (1, 7%), Allocasuarina littoralis (1, 7%), Astrotricha latifolia (1, 7%), Baccharis halimifolia* (7%), Brachychiton populneus (7%), Brachychiton populneus subsp. trilobus (7%), Cinnamomum camphora* (7%), Clematis glycinoides (1, 7%), Clerodendrum floribundum (3, 7%), Corymbia intermedia (1, 7%), Derris involuta (1, 7%), Dodonaea triquetra (7, 7%), Drypetes deplanchei (1, 7%), Elaeodendron australe (7%), Erythrina vespertilio (7%), Eucalyptus carnea (7%), Eucalyptus propinqua (7%), Eucalyptus tereticornis (7%), Glochidion ferdinandi (7%), Hibiscus heterophyllus (7%), Hovea acutifolia (1, 7%), Ligustrum sinense* (7%), Maytenus silvestris (7%), Melaleuca salicina (7%), Myoporum montanum (2, 7%), Myrsine variabilis (7%), Olea paniculata (1, 7%), Olearia nernstii (1, 7%), Pandorea pandorana (1, 7%), Passiflora subpeltata* (2, 7%), Persoonia iogyna (1, 7%), Persoonia media (1, 7%), Podolobium ilicifolium (3, 7%), Polyscias elegans (2, 7%), Psychotria daphnoides (1, 7%), Sarcocylus indet. (1, 7%), Senecio amygdalifolius (7%), Smilax australis (1, 7%), Solanum densevestitum (7%), Solanum stelligerum (7%), Trema tomentosa (7%), Zieria collina (8, 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. = 0.6m, range 0.3-1m, 15 sites

PFC avg. = 30.8%, range 5-60%, 15 sites

Dominant species (relative cover, frequency): Themeda triandra (34, 47%), Poa cheelii (20, 27%), Entolasia stricta (11, 60%), Imperata cylindrica (11, 87%), Passiflora subpeltata (11, 27%)*

Frequent species (cover, frequency): GRAMINOIDS: Imperata cylindrica (4, 87%), Digitaria parviflora (1, 67%), Entolasia stricta (3, 60%), Oplismenus imbecillis (2, 60%), Cymbopogon refractus (2, 47%), Themeda triandra (13, 47%), Ottochloa gracillima (3, 40%), Cyperus enervis (33%), Cyperus laevis (33%), Lepidosperma laterale (33%), Oplismenus aemulus (1, 33%), Microlaena stipoides (27%), Poa cheelii (7, 27%), Capillipedium spicigerum (2, 20%), Dichelachne micrantha (20%), Melinis minutiflora (10, 20%), Panicum effusum (20%), Scleria mackaviensis (20%), Ottochloa nodosa (13%), Paspalidium gracile (13%), Alloteropsis semialata (7%), Aristida calycina var. calycina (7%), Arundinella nepalensis (7%), Austroanthonia indet. (1, 7%), Austrostipa indet. (1, 7%), Capillipedium parviflorum (5, 7%), Carex appressa (7%), Carex breviculmis (7%), Chrysopogon sylvaticus (7%), Cyperus gracilis (1, 7%), Cyperus tetraphyllus (7%), Eragrostis spartinoides (7%), Eremochloa bimaculata (7%), Megathyrsus maximus* (7%), Microlaena stipoides var. stipoides (7%), Paspalum conjugatum* (7%), Paspalum dilatatum* (7%), Paspalum scrobiculatum (7%), Sarga leiocladum (3, 7%), Scleria indet. (1, 7%), Scleria sphacelata (7%), Urochloa decumbens* (2, 7%)*

FORBS: Eustrephus latifolius (87%), Cyanthillium cinereum (73%), Dianella caerulea (73%), Desmodium gunnii (67%), Hybanthus stellarioides (67%), Oxalis chnoodes (67%), Clematicissus opaca (60%), Desmodium rhytidophyllum (60%), Lobelia purpurascens (60%), Smilax australis (60%), Glycine clandestina (53%), Lomandra longifolia (1, 53%), Pseuderanthemum variabile (53%), Stephania japonica (53%), Breynia oblongifolia (47%), Cayratia clematidea (47%), Goodenia rotundifolia (47%), Hardenbergia violacea (47%), Brunoniella australis (40%), Dioscorea transversa (40%), Geitonoplesium cymosum (40%), Lomandra laxa (1, 40%), Psychotria loniceroides (40%), Sigesbeckia orientalis (40%), Acacia maidenii (33%), Adiantum hispidulum (33%), Crassocephalum crepidioides (33%), Doodia caudata (33%), Plectranthus parviflorus (33%), Tripladenia cunninghamii (33%), Viola hederacea (33%), Wikstroemia indica (33%), Bidens pilosa* (27%), Centratherum riparium (27%), Doodia aspera (3, 27%), Gymnostachys anceps (27%), Lomandra confertifolia subsp. pallida (1, 27%), Lomandra multiflora subsp. multiflora (27%), Parsonsia straminea (27%), Passiflora suberosa* (27%), Passiflora subpeltata* (3, 27%), Pellaea paradoxa (27%), Pittosporum revolutum (27%), Pteridium esculentum (1, 27%), Rubus moluccanus var. trilobus (27%), Ageratina riparia* (20%), Alphonatia excelsa (20%), Blechnum cartilagineum (6, 20%), Calochlaena dubia (8, 20%), Cirsium vulgare* (20%), Cissus antarctica (20%), Gomphocarpus physocarpus* (20%), Hibbertia aspera (20%), Hibbertia dentata (20%), Lantana montevidensis* (20%), Pandorea pandorana (20%), Phyllanthus virgatus (20%), Pterostylis nutans (20%), Swainsona galegifolia (20%), Xanthorrhoea macronema (1, 20%), Acianthus fornicatus (13%), Adiantum aethiopicum (13%), Ageratum houstonianum* (13%), Billardiera scandens (1, 13%), Carissa ovata (13%), Chiloglottis sylvestris (13%), Clematis glycinoides (1, 13%), Clerodendrum floribundum (13%), Commelina lanceolata (13%), Cryptocarya microneura (13%), Cymbidium suave (13%), Dichondra repens (13%), Eucalyptus carnea (13%), Geranium solanderi (13%), Indigofera australis (13%), Jagera pseudorhus (13%), Kennedia rubicunda (13%), Macrotyloma axillare (7, 13%), Passiflora edulis* (13%), Phyllanthus gunnii (13%), Pimelea latifolia subsp. altior (13%), Psychotria daphnoides (13%), Senecio pinnatifolius var. serratus (13%), Sida rhombifolia* (13%), Solanum americanum (13%), Solanum nigrum (13%), Abutilon oxycarpum (1, 7%), Acacia concurrens (7%), Acacia falcata (7%), Acianthus indet. (7%), Acrotriche aggregata (7%), Ageratina adenophora* (7%), Allocasuarina torulosa (7%), Alpinia caerulea (7%), Alyxia ruscifolia (1, 7%), Aneilema acuminatum (7%), Angophora leiocarpa (7%), Aphanopetalum resinum (1, 7%), Aristolochia meridionalis (7%), Aristolochia pubera (7%), Arthropodium paniculatum (7%), Asplenium bulbiferum subsp. gracillimum (7%), Brachychiton bidwillii (7%), Brachychiton populneus (7%), Cassinia subtropica (7%), Cassytha pubescens (7%), Celastrus subspicata (7%), Centella asiatica (7%), Chamaecrista nomame (7%), Chorea candollei (1, 7%), Chrysocephalum apiculatum (7%), Cinnamomum camphora* (7%), Conyza bonariensis* (7%), Cordyline congesta (7%), Corybas indet. (7%), Crotalaria montana (7%), Cupaniopsis newmanii (7%), Curculigo ensifolia (7%), Davallia pyxidata (7%), Daviesia arborea (7%), Dendrobium aemulum (7%), Dendrobium indet. (7%), Desmodium brachypodum (7%), Dianella caerulea var. vannata (7%), Diplocyclos palmatus (7%), Diplocyclos palmatus subsp. palmatus (7%), Dockrillia linguiformis (7%), Dodonaea triquetra (7%), Drynaria rigidula (1, 7%), Dysoxylum fraserianum (7%), Einadia indet. (1, 7%), Einadia nutans (7%), Eremophila debilis (7%), Eriobotrya japonica* (2, 7%), Eucalyptus siderophloia (7%), Galium migrans (1, 7%), Geodorum densiflorum (7%), Glycine tabacina (7%), Goodenia ovata (7%), Gossia bidwillii (1, 7%), Gynura drymophila (7%), Haloragis heterophylla (7%), Hibiscus heterophyllus (1, 7%), Homalanthus nutans (7%), Hypericum gramineum (7%), Hypoxis pratensis (7%), Indigofera suffruticosa* (7%), Lantana camara var. camara (7%), Lastreopsis decomposita (7%), Lepidozamia peroffskyana (7%), Livistona australis (7%), Macaranga tanarius (7%), Macrozamia lucida (1, 7%), Mallotus discolor (7%), Mallotus philippensis (7%), Marsdenia coronata (7%), Marsdenia lloydii (1, 7%), Maytenus bilocularis (1, 7%), Maytenus indet. (7%), Melia azedarach (7%), Muehlenbeckia gracillima (7%), Murdannia graminea (7%), Myoporum montanum (7%), Myrsine angusta (1, 7%), Myrsine variabilis (7%), Olea paniculata (7%), Olearia nernstii (1, 7%), Parsonsia indet. (7%), Passiflora aurantia (7%), Passiflora herbertiana (7%), Physalis peruviana* (7%), Phytolacca octandra* (7%), Pimelea neoanglica (1, 7%), Pittosporum undulatum (1, 7%), Plantago debilis (7%), Platycerium bifurcatum (7%), Polyscias elegans (7%), Pterostylis ophioglossa (7%), Pultenaea retusa (7%), Pyrrosia lanceolata (7%), Pyrrosia rupestris (7%), Rubus parvifolius (7%), Senecio amygdalifolius (7%), Senecio angulatus* (7%), Senna pendula var. glabrata* (7%), Solanum densevestitum (1, 7%), Solanum mauritianum* (7%), Solanum nodiflorum* (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*

Technical Description

Regional ecosystem: **12.11.3**

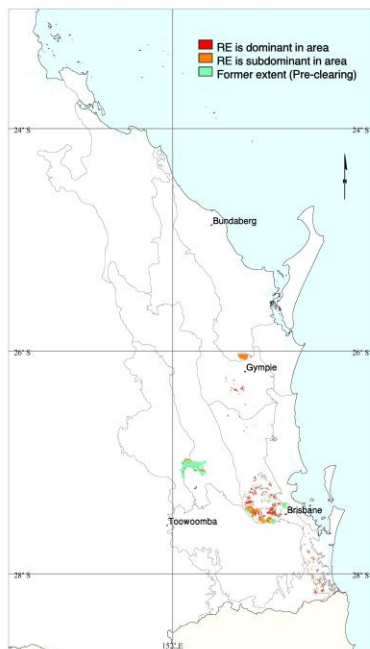
Solanum shirleyanum (7%), *Solanum stelligerum* (1, 7%), *Sonchus oleraceus** (7%), *Tecoma stans** (7%), *Tetrastigma nitens* (7%), *Tragia novae-hollandiae* (7%), *Trochocarpa laurina* (7%), *Tylophora paniculata* (7%), *Xanthorrhoea johnsonii* (5, 7%), *Xanthorrhoea latifolia* (1, 7%), *Zanthoxylum brachyacanthum* (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.

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23/05/2012

Lophostemon confertus woodland +/- Eucalyptus microcorys, E. carnea, E. propinqua, E. major, E. siderophloia on metamorphics +/- interbedded volcanics


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 17,327 10,124 58%

Species recorded: Total: 159; woody: 34; ground: 127; Avg. spp./site: 51.8; std dev.: 13.3, 4 site(s)

Basal area: Avg./site: 21.0 m²/ha, range: 17.0 - 27 m²/ha, std. deviation: 4 m²/ha, 4 site(s)

Structural formation: Woodland: 50%; tall open-forest: 25%; open-forest: 25%, 4 site(s)

Representative sites: 15468, 19752, 19771, 19778.

Stratum: T1

Height avg. = 22.8m, range 19-30m, 4 sites

Crown cover avg. = 55.8%, range 43.0-70.0%, 4 sites

Stem density/ha avg. = 200, range 160-240, 2 sites

Dominant species (relative cover, frequency): Eucalyptus siderophloia (78, 25%), Lophostemon confertus (49, 100%), Eucalyptus microcorys (22, 50%), Eucalyptus carnea (12, 75%), Eucalyptus major (12, 25%)

Frequent species (cover, frequency): Lophostemon confertus (30, 100%), Eucalyptus carnea (5, 75%), Corymbia intermedia (2, 50%), Eucalyptus microcorys (15, 50%), Corymbia citriodora subsp. variegata (3, 25%), Corymbia trachyphloia subsp. trachyphloia (2, 25%), Eucalyptus crebra (2, 25%), Eucalyptus major (5, 25%), Eucalyptus propinqua (5, 25%), Eucalyptus siderophloia (35, 25%), Eucalyptus tereticornis (1, 25%)

Stratum: T2

Height avg. = 8.0m, range 7-9m, 3 sites

Crown cover avg. = 30.0%, range 20.0-40.0%, 3 sites

Stem density/ha avg. = 480, range 320-640, 2 sites

Dominant species (relative cover, frequency): Lophostemon confertus (64, 75%), Guioa semiglaucula (26, 25%), Endiandra pubens (16, 25%), Stenocarpus sinuatus (10, 25%), Neolitsea dealbata (10, 25%)

Frequent species (cover, frequency): Lophostemon confertus (22, 75%), Acacia disparrima subsp. disparrima (2, 50%), Allocasuarina torulosa (2, 25%), Alphitonia excelsa (1, 25%), Cryptocarya microneura (1, 25%), Endiandra pubens (3, 25%), Eucalyptus carnea (1, 25%), Eucalyptus siderophloia (1, 25%), Ficus coronata (2, 25%), Guioa semiglaucula (5, 25%), Neolitsea dealbata (2, 25%), Stenocarpus sinuatus (2, 25%)

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

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

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

Stratum: S1

Height avg. = 1.9m, range 1-2.5m, 4 sites

Crown cover avg. = 15.0%, range 5.0-30.0%, 4 sites

Stem density/ha avg. = 1740, range 1400-2080, 2 sites

Dominant species (relative cover, frequency): *Schizomeria ovata* (50, 25%), *Lantana camara** (38, 100%), *Dodonaea triquetra* (25, 25%), *Lophostemon confertus* (20, 75%), *Allocasuarina torulosa* (17, 50%)

Frequent species (cover, frequency): *Lantana camara** (6, 100%), *Alphitonia excelsa* (1, 75%), *Lophostemon confertus* (5, 75%), *Acacia concurrens* (1, 50%), *Acacia disparrima* subsp. *disparrima* (2, 50%), *Allocasuarina torulosa* (5, 50%), *Acacia maidenii* (1, 25%), *Astrotricha latifolia* (1, 25%), *Bursaria spinosa* (25%), *Corymbia trachyphloia* subsp. *trachyphloia* (25%), *Daviesia villifera* (25%), *Dodonaea triquetra* (5, 25%), *Eucalyptus siderophloia* (1, 25%), *Hovea lanceolata* (25%), *Leucopogon juniperinus* (1, 25%), *Olearia nernstii* (25%), *Podolobium ilicifolium* (1, 25%), *Pultenaea microphylla* (25%), *Schizomeria ovata* (2, 25%), *Trema tomentosa* (25%)

Stratum: G

Height avg. = 0.7m, range 0.3-1m, 4 sites

PFC avg. = 32.5%, range 15-80%, 4 sites

Dominant species (relative cover, frequency): *Cymbopogon refractus* (40, 50%), *Digitaria parviflora* (32, 50%), *Doodia aspera* (32, 25%), *Blechnum cartilagineum* (32, 25%), *Themeda triandra* (16, 75%)

Frequent species (cover, frequency): GRAMINOIDS: *Ottocloa gracillima* (75%), *Themeda triandra* (4, 75%), *Capillipedium spicigerum* (50%), *Cymbopogon refractus* (40, 50%), *Digitaria parviflora* (8, 50%), *Entolasia stricta* (1, 50%), *Imperata cylindrica* (3, 50%), *Aristida calycina* (25%), *Chloris divaricata* (25%), *Cyperus enervis* (25%), *Cyperus indet.* (25%), *Dichelachne micrantha* (25%), *Lepidosperma laterale* (25%), *Melinis repens** (25%), *Microlaena stipoides* (25%), *Oplismenus aemulus* (1, 25%), *Panicum pygmaeum* (25%), *Panicum simile* (25%), *Urochloa foliosa* (25%)

FORBS: *Adiantum hispidulum* (75%), *Clematicissus opaca* (75%), *Desmodium rhytidophyllum* (75%), *Eustrephus latifolius* (75%), *Pseuderanthemum variabile* (75%), *Acronychia laevis* (50%), *Breynia oblongifolia* (50%), *Cyanthillium cinereum* (50%), *Dianella caerulea* (50%), *Dioscorea transversa* (50%), *Doodia caudata* (2, 50%), *Geitonoplesium cymosum* (50%), *Lomandra longifolia* (1, 50%), *Pittosporum revolutum* (50%), *Plectranthus parviflorus* (1, 50%), *Smilax australis* (1, 50%), *Acianthus fornicatus* (25%), *Acrotriche aggregata* (25%), *Adiantum formosum* (1, 25%), *Ageratum houstonianum** (25%), *Ailanthus triphysa* (25%), *Alphitonia excelsa* (25%), *Alpinia caerulea* (1, 25%), *Alyxia ruscifolia* (25%), *Ambrosia artemisiifolia** (25%), *Aneilema acuminatum* (25%), *Archidendron grandiflorum* (25%), *Archontophoenix cunninghamiana* (25%), *Aristolochia pubera* (25%), *Austrosteenisia blackii* (25%), *Bidens pilosa** (25%), *Blechnum cartilagineum* (7, 25%), *Bursaria spinosa* (25%), *Calamus muelleri* (25%), *Callicarpa pedunculata* (25%), *Calotis dentex* (25%), *Carissa ovata* (25%), *Cayratia clematidea* (25%), *Cirsium vulgare** (25%), *Cissus antarctica* (25%), *Claoxylon australe* (25%), *Clematis glycinoides* (25%), *Clerodendrum floribundum* (25%), *Commelina lanceolata* (25%), *Cordyline congesta* (25%), *Cordyline petiolaris* (25%), *Corybas aconitiflorus* (25%), *Cryptocarya macdonaldii* (25%), *Cupaniopsis newmanii* (25%), *Dianella caerulea* var. *vannata* (25%), *Diplocyclos palmatus* (25%), *Doodia aspera* (7, 25%), *Drynaria rigidula* (25%), *Eupomatia bennettii* (25%), *Eupomatia laurina* (25%), *Flagellaria indica* (25%), *Galactia tenuiflora* (25%), *Glycine clandestina* (25%), *Gomphocarpus physocarpus** (25%), *Hedraianthera porphyropetala* (25%), *Hibbertia aspera* (1, 25%), *Hibiscus heterophyllus* (25%), *Hybanthus enneaspermus* (25%), *Hypochaeris radicata** (25%), *Hypolepis indet.* (25%), *Lantana montevidensis** (10, 25%), *Lastreopsis marginans* (25%), *Lepidozamia peroffskyana* (25%), *Lobelia purpurascens* (25%), *Lomandra confertifolia* subsp. *pallida* (1, 25%), *Lomandra filiformis* (25%), *Lomandra laxa* (25%), *Lycopersicon esculentum* (25%), *Maclura cochinchinensis* (25%), *Mallotus philippensis* (25%), *Marsdenia rostrata* (25%), *Melodinus australis* (25%), *Monotoca scoparia* (25%), *Morinda jasminoides* (25%), *Olea paniculata* (25%), *Opercularia diphylla* (25%), *Oxalis chnoodes* (25%), *Pandorea pandorana* (25%), *Parsonsia indet.* (25%), *Passiflora aurantia* (25%), *Passiflora suberosa** (25%), *Passiflora subpeltata** (25%), *Pavonia hastata** (25%), *Polyscias elegans* (25%), *Pterostylis indet.* (25%), *Pterostylis obtusa* (25%), *Rhodamnia rubescens* (25%), *Ripogonum fawcettianum* (25%), *Rubus moluccanus* var. *moluccanus* (25%), *Sarcopetalum harveyanum* (25%), *Sida rhombifolia** (25%), *Sigesbeckia orientalis* (25%), *Solanum nigrum* (25%), *Solanum seaforthianum** (25%), *Stephania japonica* (25%), *Swainsona indet.* (25%), *Synoum glandulosum* (25%), *Syzygium australe* (25%), *Syzygium oleosum* (25%), *Tetrastigma nitens* (25%), *Tragia novae-hollandiae* (25%), *Wikstroemia indica* (25%), *Wilkiea huegeliana* (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 tindaliae*, *E. carnea*, *Corymbia intermedia* +/- *E. siderophloia* or *E. crebra*, *Corymbia citriodora* subsp. *variegata* woodland on metamorphics +/- interbedded volcanics**


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 28,446 13,355 47%

Species recorded: Total: 274; woody: 50; ground: 241; Avg. spp./site: 48.0; std dev.: 12.3, 23 site(s)

Basal area: Avg./site: 19.7 m²/ha, range: 9.0 - 35 m²/ha, std. deviation: 6 m²/ha, 23 site(s)

Structural formation: Woodland: 65%; open-forest: 30%; tall open-forest: 4%, 23 site(s)

Representative sites: 16506, 16514, 16517, 19735, 19745, 19753, 19754, 19755, 19756, 19766, 19768, 19769, 19829, 19838, 19870, 19876, 19879, 19883, 19888, 19889, 19890, 19903, 19904.

Stratum: T1

Height avg. = 22.5m, range 15-30m, 22 sites

Crown cover avg. = 43.5%, range 25.0-70.0%, 23 sites

Stem density/ha avg. = 244, range 80-800, 18 sites

Dominant species (relative cover, frequency): *Eucalyptus tindaliae* (42, 35%), *Eucalyptus crebra* (33, 26%), *Eucalyptus carnea* (25, 61%), *Eucalyptus siderophloia* (24, 70%), *Corymbia intermedia* (22, 78%)

Frequent species (cover, frequency): *Corymbia intermedia* (9, 78%), *Eucalyptus siderophloia* (10, 70%), *Eucalyptus carnea* (10, 61%), *Eucalyptus propinqua* (6, 35%), *Eucalyptus tindaliae* (21, 35%), *Corymbia citriodora* subsp. *variegata* (6, 26%), *Eucalyptus crebra* (13, 26%), *Eucalyptus microcorys* (8, 26%), *Angophora leiocarpa* (6, 22%), *Lophostemon confertus* (3, 22%), *Eucalyptus tereticornis* (9, 17%), *Eucalyptus resinifera* (8, 13%), *Corymbia henryi* (3, 9%), *Eucalyptus seeana* (4, 9%), *Angophora woodsiana* (4, 4%), *Corymbia tessellaris* (2, 4%), *Eucalyptus acmenoides* (4%), *Eucalyptus helidonica* (12, 4%)

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. = 9.9m, range 6-20m, 21 sites

Crown cover avg. = 10.6%, range 1.0-40.0%, 22 sites

Stem density/ha avg. = 605, range 80-1680, 17 sites

Dominant species (relative cover, frequency): *Lophostemon suaveolens* (53, 22%), *Lophostemon confertus* (42, 57%), *Allocasuarina torulosa* (30, 48%), *Eucalyptus carnea* (23, 35%), *Acacia disparrima* subsp. *disparrima* (23, 39%)

Frequent species (cover, frequency): *Lophostemon confertus* (5, 57%), *Allocasuarina torulosa* (2, 48%), *Acacia disparrima* subsp. *disparrima* (4, 39%), *Corymbia intermedia* (1, 39%), *Eucalyptus carnea* (2, 35%), *Eucalyptus crebra* (1, 22%), *Eucalyptus siderophloia* (1, 22%), *Lophostemon suaveolens* (2, 22%), *Eucalyptus propinqua* (1, 17%), *Eucalyptus tereticornis* (1, 17%), *Allocasuarina littoralis* (5, 13%), *Angophora leiocarpa* (1, 13%), *Eucalyptus tindaliae* (13%), *Acacia concurrens* (8, 9%), *Corymbia henryi* (9%), *Eucalyptus seeana* (1, 9%), *Acacia fimbriata* (1, 4%), *Angophora subvelutina* (4%), *Angophora woodsiana* (4%), *Corymbia citriodora* subsp. *variegata* (1, 4%), *Corymbia tessellaris* (3, 4%), *Eucalyptus helidonica* (4, 4%), *Eucalyptus resinifera* (4%), *Jagera pseudorhus* (4%), *Leptospermum polygalifolium* (10, 4%), *Melaleuca saligna* (1, 4%)

Stratum: T3

Height avg. = 7.0m, 1 site

Crown cover avg. = 15.0%, 1 site

Frequent species (cover, frequency): *Allocasuarina littoralis* (12, 4%), *Eucalyptus helidonica* (3, 4%)

Stratum: S1

Height avg. = 2.3m, range 1.5-3m, 22 sites

Crown cover avg. = 8.6%, range 1.0-25.0%, 23 sites

Stem density/ha avg. = 1627, range 120-8400, 18 sites

Dominant species (relative cover, frequency): *Lantana camara** (42, 39%), *Acacia concurrens* (32, 35%), *Acacia disparrima* subsp. *disparrima* (29, 91%), *Lophostemon confertus* (20, 70%), *Alphitonia excelsa* (18, 35%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (2, 91%), *Lophostemon confertus* (2, 70%), *Lantana camara** (4, 39%), *Acacia concurrens* (4, 35%), *Alphitonia excelsa* (1, 35%), *Corymbia intermedia* (30%), *Acacia maidenii* (1, 26%), *Eucalyptus siderophloia* (22%), *Jacksonia scoparia* (1, 22%), *Eucalyptus carnea* (17%), *Lophostemon suaveolens* (1, 17%), *Eucalyptus crebra* (13%), *Acacia falcata* (9%), *Acacia fimbriata* (2, 9%), *Acacia leiocalyx* (2, 9%), *Allocasuarina littoralis* (2, 9%), *Allocasuarina torulosa* (9%), *Corymbia citriodora* subsp. *variegata* (9%), *Eucalyptus microcorys* (1, 9%), *Melaleuca salicina* (1, 9%), *Angophora woodsiana* (2, 4%), *Babingtonia similis* (4%), *Brachychiton populneus* subsp. *trilobus* (4%), *Corymbia tessellaris* (4%), *Dodonaea triquetra* (6, 4%), *Eucalyptus helidonica* (2, 4%), *Eucalyptus propinqua* (4%), *Eucalyptus seeana* (4%), *Eucalyptus tereticornis* (4%), *Eucalyptus tindaliae* (4%), *Euroschinus falcatus* var. *angustifolius* (1, 4%), *Hodgkinsonia ovatiflora* (4%), *Jagera pseudorhus* (4%), *Melaleuca nodosa* (4%), *Melaleuca viminalis* (1, 4%), *Ozothamnus diosmifolius* (1, 4%), *Polyscias elegans* (4%), *Psychotria loniceroides* (4%), *Pultenaea spinosa* (4%), *Solanum stelligerum* (1, 4%), *Trema tomentosa* (4%), *Triumfetta rhomboidea** (1, 4%), *Trochocarpa laurina* (4%)

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 0.3-0.7m, 21 sites

PFC avg. = 46.0%, range 5-75%, 23 sites

Dominant species (relative cover, frequency): Themeda triandra (30, 87%), Imperata cylindrica (21, 78%), Melinis minutiflora (14, 26%), Cymbopogon refractus (12, 83%), Eremochloa bimaculata (11, 39%)*

Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (14, 87%), Cymbopogon refractus (6, 83%), Entolasia stricta (4, 83%), Imperata cylindrica (12, 78%), Digitaria parviflora (2, 74%), Panicum effusum (57%), Capillipedium spicigerum (1, 43%), Lepidosperma laterale (2, 43%), Microlaena stipoides (2, 43%), Aristida calycina (1, 39%), Eremochloa bimaculata (5, 39%), Oplismenus aemulus (35%), Ottochloa gracillima (2, 30%), Alloteropsis semialata (1, 26%), Chrysopogon sylvaticus (1, 26%), Melinis minutiflora (7, 26%), Oplismenus imbecillis (22%), Scleria mackaviensis (22%), Eragrostis brownii (1, 17%), Paspalidium gracile (4, 17%), Bothriochloa decipiens (13%), Dichelachne micrantha (2, 13%), Eragrostis spartinioides (13%), Megathyrsus maximus* (1, 13%), Melinis repens* (13%), Paspalidium gausum (13%), Sporobolus creber (13%), Cyperus laevis (9%), Fimbristylis dichotoma (9%), Heteropogon contortus (9%), Urochloa decumbens* (9%)*

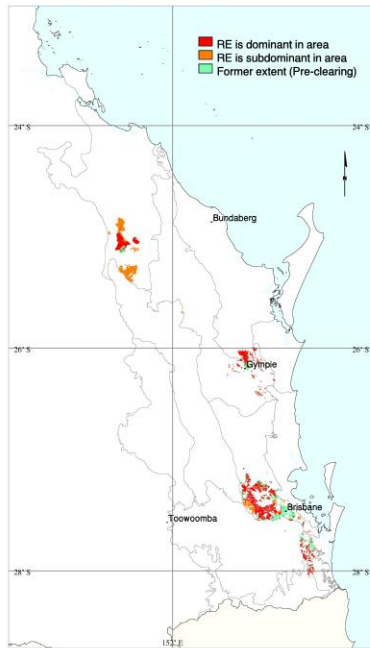
FORBS: Desmodium rhytidophyllum (1, 91%), Cyathillium cinereum (83%), Eustrephus latifolius (70%), Lobelia purpurascens (70%), Glycine clandestina (65%), Lomandra laxa (1, 61%), Lomandra longifolia (2, 57%), Goodenia rotundifolia (52%), Cheilanthes sieberi subsp. sieberi (43%), Lomandra multiflora subsp. multiflora (43%), Alphitonia excelsa (39%), Brunoniella australis (39%), Cassytha pubescens (39%), Clematicissus opaca (39%), Passiflora suberosa (39%), Phyllanthus virgatus (39%), Dianella caerulea (35%), Geitonoplesium cymosum (35%), Lomandra confertifolia subsp. pallida (1, 35%), Plectranthus parviflorus (35%), Hardenbergia violacea (30%), Passiflora subpeltata* (30%), Sigesbeckia orientalis (30%), Bidens pilosa* (26%), Chryscephalum apiculatum (26%), Dianella longifolia (26%), Galactia tenuiflora (26%), Leucopogon juniperinus (26%), Breynia oblongifolia (22%), Desmodium gunnii (22%), Eremophila debilis (22%), Gomphocarpus physocarpus* (22%), Hybanthus stellarioides (22%), Lantana camara* (22%), Lantana montevidensis* (2, 22%), Passiflora foetida* (22%), Pimelea linifolia (22%), Smilax australis (22%), Stephania japonica (22%), Acacia concurrens (17%), Acacia maidenii (17%), Centella asiatica (17%), Crassocephalum crepidioides* (17%), Crotalaria montana (17%), Emilia sonchifolia* (17%), Wikstroemia indica (17%), Acrotriche aggregata (1, 13%), Adiantum hispidulum (13%), Ageratum houstonianum* (13%), Ajuga australis (13%), Cayratia clematidea (13%), Conyza canadensis* (13%), Desmodium brachypodium (13%), Dioscorea transversa (13%), Doodia media (13%), Glochidion ferdinandi (13%), Hibbertia vestita (13%), Hypericum gramineum (13%), Iphigenia indica (13%), Murdannia graminea (13%), Opercularia diphylla (13%), Pandorea pandorana (13%), Passiflora edulis* (13%), Persoonia media (13%), Poranthera microphylla (13%), Pseuderanthemum variabile (13%), Pteridium esculentum (2, 13%), Pultenaea retusa (13%), Acacia falcata (9%), Acacia melanoxylon (9%), Ageratina riparia* (1, 9%), Baccharis halimifolia* (9%), Cirsium vulgare* (9%), Clerodendrum floribundum (9%), Corymbia torelliana (9%), Dianella revoluta (1, 9%), Flindersia australis (9%), Glochidion sumatranum (9%), Glossocardia bidens (9%), Glycine tabacina (9%), Grewia latifolia (9%), Hibbertia aspera (9%), Hypoxis pratensis (9%), Jacksonia scoparia (9%), Lagenophora stipitata (9%), Lilium formosanum* (9%), Macrotyloma axillare (12, 9%), Mallotus philippensis (9%), Myrsine variabilis (9%), Oxalis chnoodes (9%), Parsonsia straminea (9%), Persoonia sericea (9%), Pittosporum revolutum (9%), Schefflera actinophylla (9%), Solanum nigrum (9%), Sonchus oleraceus* (9%), Tripladenia cunninghamii (9%), Wahlenbergia communis (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

Corymbia citriodora subsp. variegata woodland +/- Eucalyptus siderophloia or crebra, E. carnea, E. propinqua on metamorphics +/- interbedded volcanics



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 97,858 56,287 58%

Species recorded: Total: 149; woody: 31; ground: 127; Avg. spp./site: 47.3; std dev.: 9.2, 9 site(s)

Basal area: Avg./site: 20.2 m²/ha, range: 15.0 - 25 m²/ha, std. deviation: 3 m²/ha, 9 site(s)

Structural formation: Woodland: 56%; open-forest: 44%, 9 site(s)

Representative sites: 19742, 19750, 19757, 19774, 19776, 19807, 19808, 19880, 19881.

Stratum: T1

Height avg. = 20.8m, range 15-25m, 9 sites

Crown cover avg. = 45.0%, range 20.0-65.0%, 9 sites

Stem density/ha avg. = 262, range 40-480, 9 sites

Dominant species (relative cover, frequency): Corymbia citriodora subsp. variegata (40, 100%), Eucalyptus crebra (34, 67%), Eucalyptus carnea (21, 89%), Eucalyptus microcorys (17, 22%), Corymbia intermedia (12, 22%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (20, 100%), Eucalyptus carnea (10, 89%), Eucalyptus crebra (11, 67%), Eucalyptus propinqua (3, 56%), Eucalyptus tereticornis (3, 56%), Corymbia intermedia (8, 22%), Corymbia tessellaris (3, 22%), Eucalyptus microcorys (11, 22%), Eucalyptus siderophloia (6, 22%)

Stratum: T2

Height avg. = 8.2m, range 6-10m, 9 sites

Crown cover avg. = 7.7%, range 3.0-20.0%, 9 sites

Stem density/ha avg. = 471, range 280-1040, 9 sites

Dominant species (relative cover, frequency): Lophostemon confertus (41, 78%), Acacia concurrens (32, 22%), Acacia disparrima subsp. disparrima (22, 44%), Eucalyptus carnea (19, 67%), Corymbia citriodora subsp. variegata (16, 78%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (1, 78%), Lophostemon confertus (4, 78%), Corymbia intermedia (1, 67%), Eucalyptus carnea (1, 67%), Acacia disparrima subsp. disparrima (1, 44%), Allocasuarina torulosa (33%), Eucalyptus crebra (1, 33%), Eucalyptus propinqua (1, 33%), Acacia concurrens (4, 22%), Acacia implexa (11%), Angophora leiocarpa (11%), Corymbia henryi (1, 11%), Daviesia arborea (11%), Eucalyptus tereticornis (11%), Eucalyptus tindaliae (1, 11%), Jagera pseudorhus (1, 11%), Lophostemon confertus x L.grandiflorus (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. = 2.2m, range 1.5-3m, 9 sites

Crown cover avg. = 4.9%, range 1.0-10.0%, 9 sites

Stem density/ha avg. = 591, range 240-1280, 9 sites

Dominant species (relative cover, frequency): *Acacia disparrima* subsp. *disparrima* (37, 89%), *Acacia concurrens* (19, 33%), *Lophostemon confertus* (17, 89%), *Alphitonia excelsa* (16, 33%), *Eucalyptus carnea* (14, 22%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (2, 89%), *Lophostemon confertus* (1, 89%), *Lantana camara** (1, 44%), *Acacia concurrens* (2, 33%), *Allocasuarina torulosa* (33%), *Alphitonia excelsa* (1, 33%), *Eucalyptus tereticornis* (33%), *Jacksonia scoparia* (33%), *Acacia falcata* (1, 22%), *Acacia maidenii* (1, 22%), *Corymbia citriodora* subsp. *variegata* (1, 22%), *Eucalyptus carnea* (1, 22%), *Eucalyptus siderophloia* (22%), *Acacia leiocalyx* (11%), *Acrotriche aggregata* (3, 11%), *Allocasuarina littoralis* (1, 11%), *Cassinia subtropica* (2, 11%), *Corymbia intermedia* (11%), *Corymbia tessellaris* (11%), *Eucalyptus microcorys* (1, 11%), *Eucalyptus propinqua* (1, 11%), *Lophostemon confertus* x *L.grandiflorus* (1, 11%), *Persoonia media* (1, 11%), *Pittosporum revolutum* (11%)

Stratum: G

Height avg. = 0.5m, range 0.3-0.7m, 9 sites

PFC avg. = 27.8%, range 15-60%, 9 sites

Dominant species (relative cover, frequency): *Themeda triandra* (41, 78%), *Cymbopogon refractus* (20, 78%), *Lomandra confertifolia* subsp. *pallida* (10, 56%), *Eremochloa bimaculata* (9, 78%), *Chrysopogon sylvaticus* (9, 22%)

Frequent species (cover, frequency): GRAMINOIDS: *Cymbopogon refractus* (7, 78%), *Entolasia stricta* (1, 78%), *Eremochloa bimaculata* (3, 78%), *Imperata cylindrica* (2, 78%), *Themeda triandra* (15, 78%), *Digitaria parviflora* (2, 67%), *Aristida calycina* (56%), *Panicum effusum* (56%), *Capillipedium spicigerum* (44%), *Dichelachne micrantha* (44%), *Eragrostis spartinoides* (44%), *Lepidosperma laterale* (44%), *Alloteropsis semialata* (33%), *Capillipedium parviflorum* (1, 33%), *Microlaena stipoides* (33%), *Paspalidium gracile* (33%), *Aristida queenslandica* (1, 22%), *Bothriochloa decipiens* (22%), *Chrysopogon sylvaticus* (3, 22%), *Megathyrsus maximus** (22%), *Ottlochloa gracillima* (22%), *Panicum simile* (22%), *Paspalidium gausum* (2, 22%), *Scleria mackaviensis* (22%), *Sporobolus creber* (22%), *Arundinella nepalensis* (10, 11%), *Digitaria* indet. (11%), *Eragrostis brownii* (11%), *Eragrostis* indet. (11%), *Fimbristylis cinnamometorum* (11%), *Fimbristylis dichotoma* (11%), *Melinis minutiflora** (11%), *Melinis repens** (11%), *Oplismenus imbecillis* (11%), *Paspalidium distans* (11%), *Scleria tricuspidata* (11%)

FORBS: *Eustrephus latifolius* (100%), *Cyanthillium cinereum* (89%), *Desmodium rhytidophyllum* (89%), *Glycine clandestina* (89%), *Dianella longifolia* (78%), *Phyllanthus virgatus* (78%), *Brunoniella australis* (67%), *Hardenbergia violacea* (1, 67%), *Lobelia purpurascens* (67%), *Lomandra laxa* (67%), *Cheilanthes sieberi* subsp. *sieberi* (56%), *Clematicissus opaca* (56%), *Eremophila debilis* (56%), *Lomandra confertifolia* subsp. *pallida* (3, 56%), *Desmodium gunnii* (44%), *Glossocardia bidens* (44%), *Iphigenia indica* (44%), *Lomandra multiflora* subsp. *multiflora* (44%), *Acacia maidenii* (33%), *Alphitonia excelsa* (33%), *Bidens pilosa** (33%), *Commelina lanceolata* (33%), *Crotalaria montana* (33%), *Dianella caerulea* (33%), *Galactia tenuiflora* (33%), *Gomphocarpus physocarpus** (33%), *Goodenia rotundifolia* (33%), *Lomandra longifolia* (1, 33%), *Passiflora suberosa** (33%), *Sigesbeckia orientalis* (33%), *Acacia falcata* (22%), *Breynia oblongifolia* (22%), *Cayratia clematidea* (22%), *Centratherum riparium* (22%), *Chrysocephalum apiculatum* (22%), *Desmodium brachypodum* (22%), *Hybanthus stellarioides* (22%), *Lantana camara** (22%), *Lantana montevidensis** (1, 22%), *Lilium formosanum** (22%), *Murdannia graminea* (22%), *Opercularia diphylla* (22%), *Oxalis chnoodes* (22%), *Persoonia sericea* (22%), *Plectranthus parviflorus* (22%), *Smilax australis* (22%), *Wikstroemia indica* (22%), *Zornia dyctiocarpa* var. *filifolia* (22%), *Adiantum hispidulum* (11%), *Aeschynomene brevifolia* (11%), *Ageratina riparia** (11%), *Asparagus* indet. (11%), *Brachychiton populneus* subsp. *trilobus* (11%), *Cassytha filiformis* (11%), *Cassytha pubescens* (11%), *Centella asiatica* (11%), *Chamaecrista nomame* (11%), *Cirsium vulgare** (11%), *Conyza bonariensis** (11%), *Corymbia intermedia* (11%), *Curculigo ensifolia* (11%), *Cymbidium madidum* (11%), *Daviesia arborea* (11%), *Daviesia ulicifolia* (11%), *Eucalyptus tereticornis* (11%), *Eucalyptus tindaliae* (11%), *Ficus rubiginosa* (11%), *Glochidion ferdinandi* (11%), *Glycine tomentella* (11%), *Hovea acutifolia* (11%), *Hypericum gramineum* (11%), *Indigofera australis* (1, 11%), *Jacksonia scoparia* (11%), *Lagenophora stipitata* (11%), *Leucopogon juniperinus* (11%), *Myrsine variabilis* (11%), *Neonotonia wightii* (11%), *Olea paniculata* (11%), *Olearia nernstii* (11%), *Oxalis* indet. (11%), *Oxylobium* indet. (11%), *Passiflora subpeltata** (11%), *Poranthera microphylla* (11%), *Pseuderanthemum variabile* (11%), *Pyrrosia rupestris* (11%), *Sida rhombifolia** (11%), *Sonchus oleraceus** (11%), *Spermacoce brachystema* (11%), *Thysanotus tuberosus* (11%), *Velleia spathulata* (11%), *Wahlenbergia communis* (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 racemosa subsp. racemosa and/or E. seeana and Corymbia intermedia woodland on metamorphics +/- interbedded volcanics

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 8,442 2,292 27%

Species recorded: Total: 115; woody: 30; ground: 90; Avg. spp./site: 35.3; std dev.: 9.6, 7 site(s)

Basal area: Avg./site: 18.0 m²/ha, range: 8.0 - 23 m²/ha, std. deviation: 4 m²/ha, 7 site(s)

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

Representative sites: 16515, 16520, 19738, 19779, 19806, 19860, 19869.

Stratum: T1

Height avg. = 20.6m, range 15-28m, 7 sites

Crown cover avg. = 29.3%, range 10.0-40.0%, 7 sites

Stem density/ha avg. = 308, range 160-533, 4 sites

Dominant species (relative cover, frequency): Eucalyptus racemosa subsp. racemosa (59, 43%), Eucalyptus seeana (33, 71%), Corymbia intermedia (25, 100%), Eucalyptus siderophloia (13, 57%), Corymbia trachyphloia subsp. trachyphloia (12, 29%)

Frequent species (cover, frequency): Corymbia intermedia (7, 100%), Eucalyptus seeana (7, 71%), Eucalyptus siderophloia (5, 57%), Angophora leiocarpa (3, 43%), Eucalyptus racemosa subsp. racemosa (22, 43%), Corymbia trachyphloia subsp. trachyphloia (5, 29%), Acacia disparrima subsp. disparrima (1, 14%), Allocasuarina littoralis (9, 14%), Eucalyptus acmenoides (2, 14%), Eucalyptus carnea (4, 14%), Eucalyptus microcorys (5, 14%), Eucalyptus tereticornis (1, 14%), Eucalyptus tindaliae (2, 14%), Lophostemon confertus (3, 14%)

Stratum: T2

Height avg. = 9.9m, range 6-18m, 7 sites

Crown cover avg. = 12.0%, range 1.0-30.0%, 7 sites

Stem density/ha avg. = 528, range 40-1280, 4 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (51, 86%), Lophostemon suaveolens (41, 43%), Corymbia intermedia (23, 57%), Corymbia trachyphloia subsp. trachyphloia (14, 29%), Alphitonia excelsa (9, 29%)

Frequent species (cover, frequency): Allocasuarina littoralis (5, 86%), Corymbia intermedia (3, 57%), Lophostemon suaveolens (8, 43%), Alphitonia excelsa (3, 29%), Corymbia trachyphloia subsp. trachyphloia (2, 29%), Acacia concurrens (5, 14%), Acacia disparrima subsp. disparrima (1, 14%), Allocasuarina torulosa (4, 14%), Cyclophyllum coprosmoides (4, 14%), Eucalyptus carnea (14%), Eucalyptus racemosa subsp. racemosa (14%), Eucalyptus siderophloia (1, 14%), Lophostemon confertus (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: T3

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

Crown cover avg. = 6.5%, range 5.0-8.0%, 2 sites

Stem density/ha avg. = 140, 1 site

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (3, 14%), *Banksia integrifolia* (1, 14%), *Corymbia intermedia* (5, 14%), *Eucalyptus racemosa* subsp. *racemosa* (14%), *Leptospermum trinervium* (1, 14%), *Lophostemon confertus* (3, 14%)

Stratum: S1

Height avg. = 2.0m, range 1-3m, 7 sites

Crown cover avg. = 9.9%, range 2.0-22.0%, 7 sites

Stem density/ha avg. = 1898, range 280-3733, 3 sites

Dominant species (relative cover, frequency): *Melaleuca nodosa* (73, 29%), *Lophostemon suaveolens* (67, 29%), *Allocasuarina littoralis* (33, 29%), *Acacia disparrima* subsp. *disparrima* (18, 71%), *Lantana camara** (17, 29%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (1, 71%), *Lophostemon confertus* (1, 57%), *Acacia concurrens* (3, 43%), *Alphitonia excelsa* (1, 43%), *Allocasuarina littoralis* (1, 29%), *Lantana camara** (1, 29%), *Lophostemon suaveolens* (10, 29%), *Melaleuca nodosa* (12, 29%), *Acacia leiocalyx* (1, 14%), *Allocasuarina torulosa* (1, 14%), *Angophora leiocarpa* (1, 14%), *Corymbia citriodora* subsp. *variegata* (14%), *Corymbia intermedia* (14%), *Cyclophyllum coprosmoides* (14%), *Gompholobium latifolium* (2, 14%), *Lomatia silaifolia* (1, 14%), *Melaleuca salicina* (14%), *Parsonsia straminea* (14%), *Pittosporum revolutum* (14%)

Stratum: G

Height avg. = 0.5m, range 0.3-0.6m, 7 sites

PFC avg. = 49.3%, range 30-90%, 7 sites

Dominant species (relative cover, frequency): *Lepidosperma laterale* (22, 57%), *Imperata cylindrica* (20, 86%), *Ottocloa gracillima* (18, 29%), *Lomandra laxa* (17, 29%), *Themeda triandra* (17, 57%)

Frequent species (cover, frequency): GRAMINOIDS: *Entolasia stricta* (6, 100%), *Imperata cylindrica* (11, 86%), *Cymbopogon refractus* (5, 71%), *Lepidosperma laterale* (7, 57%), *Themeda triandra* (13, 57%), *Alloteropsis semialata* (2, 43%), *Digitaria parviflora* (6, 43%), *Eremochloa bimaculata* (7, 43%), *Microlaena stipoides* (5, 43%), *Aristida calycina* (29%), *Ottocloa gracillima* (8, 29%), *Panicum effusum* (3, 29%), *Aristida queenslandica* (14%), *Aristida queenslandica* var. *dissimilis* (1, 14%), *Capillipedium spicigerum* (14%), *Chrysopogon sylvaticus* (3, 14%), *Dichelachne micrantha* (14%), *Enteropogon unispiceus* (14%), *Eragrostis brownii* (14%), *Eragrostis spartinoides* (14%), *Melinis repens** (14%), *Paspalum scrobiculatum* (14%)
FORBS: *Lobelia purpurascens* (86%), *Goodenia rotundifolia* (71%), *Desmodium rhytidophyllum* (57%), *Dianella caerulea* (57%), *Parsonsia straminea* (57%), *Cyanthillium cinereum* (43%), *Lomandra longifolia* (2, 43%), *Passiflora suberosa** (43%), *Cheilanthes sieberi* subsp. *sieberi* (29%), *Clematicissus opaca* (29%), *Dianella revoluta* (1, 29%), *Emilia sonchifolia** (29%), *Eustrephus latifolius* (29%), *Geitonoplesium cymosum* (29%), *Glochidion ferdinandi* (29%), *Glycine clandestina* (29%), *Hardenbergia violacea* (29%), *Hibbertia stricta* (1, 29%), *Hibbertia vestita* (1, 29%), *Hypericum gramineum* (29%), *Lomandra confertifolia* (1, 29%), *Lomandra laxa* (10, 29%), *Lomandra multiflora* subsp. *multiflora* (29%), *Ochna serrulata** (29%), *Acacia disparrima* subsp. *disparrima* (14%), *Acacia falcata* (14%), *Acacia leiocalyx* (1, 14%), *Acrotriche aggregata* (1, 14%), *Alphitonia excelsa* (14%), *Brunoniella australis* (1, 14%), *Cassytha pubescens* (1, 14%), *Centella asiatica* (14%), *Chorizema parviflorum* (14%), *Chrysocephalum apiculatum* (14%), *Comesperma hispidulum* (1, 14%), *Conyza canadensis** (14%), *Corymbia henryi* (14%), *Crassocephalum crepidioides** (1, 14%), *Cupaniopsis anacardioides* (14%), *Dianella longifolia* (14%), *Glycine cyrtoloba* (1, 14%), *Gomphocarpus physocarpus** (1, 14%), *Gompholobium pinnatum* (1, 14%), *Gonocarpus chinensis* subsp. *verrucosus* (14%), *Hakea florulenta* (1, 14%), *Hypochaeris radicata** (14%), *Jagera pseudorhus* (14%), *Laxmannia gracilis* (14%), *Lomandra confertifolia* subsp. *pallida* (14%), *Lophostemon confertus* (14%), *Monotoca scoparia* (1, 14%), *Orchidaceae* indet. (1, 14%), *Oxalis* indet. (14%), *Ozothamnus diosmifolius* (14%), *Patersonia glabrata* (1, 14%), *Phyllanthus virgatus* (14%), *Pittosporum venulosum* (14%), *Platylobium formosum* (4, 14%), *Poranthera microphylla* (14%), *Pseuderanthemum variabile* (14%), *Pteridium esculentum* (13, 14%), *Pultenaea petiolaris* (1, 14%), *Rhaphiolepis indica** (14%), *Schefflera actinophylla* (14%), *Schizaea bifida* (1, 14%), *Sonchus oleraceus** (1, 14%), *Stephania japonica* (14%), *Xanthorrhoea johnsonii* (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

Corymbia henryi and/or Eucalyptus fibrosa subsp. fibrosa woodland on metamorphics +/- interbedded volcanics

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 14,086 6,541 46%

Species recorded: Total: 166; woody: 36; ground: 139; Avg. spp./site: 38.9; std dev.: 13.5, 12 site(s)

Basal area: Avg./site: 21.5 m²/ha, range: 12.0 - 30 m²/ha, std. deviation: 5 m²/ha, 12 site(s)

Structural formation: Woodland: 58%; open-forest: 42%, 12 site(s)

Representative sites: 16505, 16522, 19767, 19781, 19834, 19840, 19841, 19848, 19849, 19882, 19885, 19905.

Stratum: T1

Height avg. = 21.7m, range 18-25m, 12 sites

Crown cover avg. = 42.9%, range 25.0-60.0%, 12 sites

Stem density/ha avg. = 264, range 120-480, 10 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (32, 33%), Corymbia henryi (29, 92%), Eucalyptus carnea (20, 83%), Eucalyptus siderophloia (13, 50%), Eucalyptus tindaliae (13, 33%)

Frequent species (cover, frequency): Corymbia henryi (11, 92%), Eucalyptus carnea (9, 83%), Corymbia intermedia (5, 50%), Eucalyptus siderophloia (5, 50%), Eucalyptus crebra (13, 33%), Eucalyptus tindaliae (5, 33%), Corymbia citriodora subsp. variegata (3, 17%), Eucalyptus fibrosa subsp. fibrosa (29, 17%), Eucalyptus microcorys (5, 17%), Eucalyptus seeana (4, 17%), Lophostemon confertus (6, 17%), Angophora leiocarpa (2, 8%), Angophora woodsiana (10, 8%), Eucalyptus dura (36, 8%), Eucalyptus helidonica (15, 8%), Eucalyptus major (1, 8%), Eucalyptus propinqua (10, 8%), Eucalyptus tereticornis (2, 8%)

Stratum: T2

Height avg. = 9.2m, range 7-12m, 11 sites

Crown cover avg. = 7.3%, range 2.0-20.0%, 12 sites

Stem density/ha avg. = 426, range 40-1040, 10 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (33, 50%), Lophostemon confertus (30, 50%), Eucalyptus carnea (25, 50%), Corymbia citriodora subsp. variegata (20, 25%), Corymbia henryi (17, 58%)

Frequent species (cover, frequency): Corymbia henryi (1, 58%), Corymbia intermedia (1, 58%), Allocasuarina torulosa (2, 50%), Eucalyptus carnea (1, 50%), Lophostemon confertus (4, 50%), Eucalyptus crebra (1, 33%), Corymbia citriodora subsp. variegata (2, 25%), Eucalyptus siderophloia (25%), Eucalyptus tindaliae (25%), Eucalyptus fibrosa subsp. fibrosa (2, 17%), Eucalyptus propinqua (17%), Eucalyptus seeana (1, 17%), Eucalyptus tereticornis (1, 17%), Lophostemon suaveolens (2, 17%), Acacia concurrens (3, 8%), Allocasuarina littoralis (10, 8%), Angophora leiocarpa (1, 8%), Angophora woodsiana (1, 8%), Daviesia villifera (1, 8%), Eucalyptus helidonica (2, 8%), Eucalyptus microcorys (1, 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. = 2.3m, range 1.5-3m, 12 sites

Crown cover avg. = 4.2%, range 1.0-15.0%, 12 sites

Stem density/ha avg. = 709, range 40-2080, 10 sites

Dominant species (relative cover, frequency): *Acacia disparrima* subsp. *disparrima* (48, 75%), *Lophostemon confertus* (40, 58%), *Eucalyptus tereticornis* (37, 25%), *Jacksonia scoparia* (19, 33%), *Allocasuarina torulosa* (8, 25%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (2, 75%), *Lophostemon confertus* (1, 58%), *Jacksonia scoparia* (1, 33%), *Allocasuarina torulosa* (25%), *Corymbia henryi* (25%), *Eucalyptus siderophloia* (25%), *Eucalyptus tereticornis* (25%), *Alphitonia excelsa* (17%), *Corymbia intermedia* (17%), *Eucalyptus crebra* (1, 17%), *Lantana camara** (1, 17%), *Acacia concurrens* (8%), *Acacia falcata* (8%), *Acacia fimbriata* (8%), *Acacia leiocalyx* (3, 8%), *Allocasuarina littoralis* (2, 8%), *Daviesia arborea* (1, 8%), *Daviesia ulicifolia* (1, 8%), *Eucalyptus fibrosa* subsp. *fibrosa* (8%), *Eucalyptus microcorys* (8%), *Eucalyptus seeana* (8%), *Eucalyptus tindaliae* (8%), *Lophostemon suaveolens* (8%), *Persoonia stradbrokeensis* (1, 8%), *Pultenaea villosa* (8%), *Trochocarpa laurina* (8%), *Xanthorrhoea johnsonii* (6, 8%)

Stratum: G

Height avg. = 0.5m, range 0.3-0.7m, 11 sites

PFC avg. = 34.4%, range 8-80%, 12 sites

Dominant species (relative cover, frequency): *Themeda triandra* (32, 92%), *Eremochloa bimaculata* (30, 75%), *Cymbopogon refractus* (10, 75%), *Entolasia stricta* (10, 83%), *Dichelachne micrantha* (6, 25%)

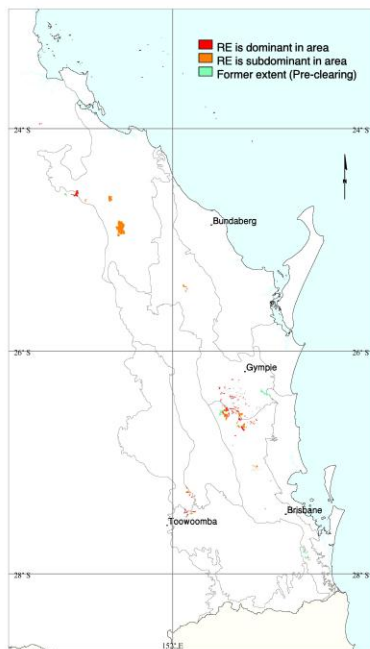
Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (14, 92%), *Entolasia stricta* (3, 83%), *Cymbopogon refractus* (4, 75%), *Eremochloa bimaculata* (9, 75%), *Imperata cylindrica* (2, 75%), *Digitaria parviflora* (2, 67%), *Lepidosperma laterale* (1, 67%), *Panicum effusum* (67%), *Aristida calycina* (2, 50%), *Microlaena stipoides* (50%), *Capillipedium spicigerum* (1, 42%), *Eragrostis brownii* (42%), *Alloteropsis semialata* (1, 33%), *Paspalidium gausum* (33%), *Dichelachne micrantha* (2, 25%), *Eragrostis spartinoides* (17%), *Fimbristylis dichotoma* (17%), *Melinis minutiflora** (2, 17%), *Melinis repens** (1, 17%), *Scleria tricuspidata* (17%), *Abildgaardia vaginata* (1, 8%), *Aristida benthamii* (8%), *Aristida calycina* var. *calycina* (8%), *Aristida warburgii* (8%), *Chrysopogon sylvaticus* (2, 8%), *Gahnia aspera* (8%), *Megathyrsus maximus** (1, 8%), *Oplismenus aemulus* (5, 8%), *Ottocloa gracillima* (8%), *Paspalidium gracile* (8%), *Paspalum scrobiculatum* (8%), *Scleria indet.* (8%), *Sporobolus australasicus* (8%), *Sporobolus creber* (8%), *Urochloa decumbens** (8%)

FORBS: *Desmodium rhytidophyllum* (83%), *Cyanthillium cinereum* (67%), *Lobelia purpurascens* (67%), *Cheilanthes sieberi* subsp. *sieberi* (58%), *Glycine clandestina* (58%), *Dianella longifolia* (50%), *Lomandra confertifolia* subsp. *pallida* (1, 50%), *Lomandra laxa* (50%), *Lomandra multiflora* subsp. *multiflora* (50%), *Alphitonia excelsa* (42%), *Dianella caerulea* (42%), *Hardenbergia violacea* (42%), *Lomandra longifolia* (42%), *Brunoniella australis* (33%), *Clematicissus opaca* (33%), *Eustrephus latifolius* (33%), *Goodenia rotundifolia* (33%), *Murdannia graminea* (33%), *Persoonia sericea* (33%), *Acacia maidenii* (25%), *Bidens pilosa** (25%), *Galactia tenuiflora* (25%), *Hibbertia stricta* (25%), *Lantana camara** (25%), *Acacia concurrens* (17%), *Acacia disparrima* subsp. *disparrima* (17%), *Cassytha pubescens* (17%), *Cheilanthes tenuifolia* (1, 17%), *Chorizema parviflorum* (17%), *Chrysocephalum apiculatum* (17%), *Cirsium vulgare** (17%), *Crotalaria montana* (17%), *Dianella revoluta* (1, 17%), *Glycine cyrtoloba* (1, 17%), *Hybanthus stellarioides* (17%), *Jacksonia scoparia* (2, 17%), *Phyllanthus virgatus* (17%), *Pittosporum revolutum* (17%), *Podolobium scandens* (1, 17%), *Sida rhombifolia** (17%), *Sigesbeckia orientalis* (17%), *Spermacoce brachystema* (17%), *Acacia burrowii* (8%), *Acianthus fornicatus* (8%), *Acrotriche aggregata* (1, 8%), *Adiantum hispidulum* (8%), *Ageratina adenophora** (8%), *Ageratina riparia** (8%), *Allocasuarina littoralis* (8%), *Asparagus aethiopicus* cv. *Sprengeri** (8%), *Billardiera scandens* (8%), *Breynia oblongifolia* (8%), *Brunfelsia australis* (8%), *Bursaria spinosa* (8%), *Cayratia clematidea* (8%), *Corymbia intermedia* (8%), *Crassocephalum crepidioides** (8%), *Crotalaria lanceolata* (8%), *Curculigo ensifolia* (8%), *Curculigo ensifolia* var. *ensifolia* (8%), *Daviesia villifera* (1, 8%), *Desmodium brachypodum* (8%), *Desmodium gunnii* (8%), *Dioscorea transversa* (8%), *Dipodium variegatum* (8%), *Doodia media* (8%), *Emilia sonchifolia** (8%), *Geitonoplesium cymosum* (8%), *Geodorum densiflorum* (1, 8%), *Glochidion ferdinandi* (8%), *Glycine tabacina* (8%), *Gomphocarpus physocarpus** (8%), *Hibbertia vestita* (8%), *Hypochaeris radicata** (8%), *Indigofera australis* (8%), *Iphigenia indica* (8%), *Jagera pseudorhus* (8%), *Kennedia rubicunda* (8%), *Lantana montevidensis** (8%), *Macroptilium atropurpureum** (1, 8%), *Malvaceae* indet. (1, 8%), *Monotoca scoparia* (1, 8%), *Opercularia diphylla* (8%), *Pandorea pandorana* (8%), *Passiflora suberosa** (8%), *Persoonia media* (8%), *Pimelea linifolia* (8%), *Pomax umbellata* (8%), *Poranthera microphylla* (8%), *Pteridium esculentum* (8%), *Pterostylis nutans* (8%), *Pultenaea spinosa* (8%), *Pultenaea villosa* (8%), *Senna pendula* var. *glabrata** (8%), *Smilax australis* (8%), *Sonchus oleraceus** (8%), *Strangaea linearis* (1, 8%), *Swainsona galegifolia* (8%), *Tripladenia cunninghamii* (8%), *Velleia spathulata* (8%), *Wahlenbergia gracilis* (8%), *Xanthorrhoea macronema* (5, 8%), *Zornia dyctiocarpa* (8%), *Zornia dyctiocarpa* var. *filifolia* (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 tereticornis open-forest on metamorphics +/- interbedded volcanics. Usually higher altitudes

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 11,594 7,636 66%

Species recorded: Total: 131; woody: 24; ground: 113; Avg. spp./site: 63.0; std dev.: 6.5, 3 site(s)

Basal area: Avg./site: 23.0 m²/ha, range: 18.0 - 27 m²/ha, std. deviation: 4 m²/ha, 3 site(s)

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

Representative sites: 19748, 19911, 19912.

Stratum: T1

Height avg. = 21.0m, range 17-24m, 3 sites

Crown cover avg. = 51.7%, range 35.0-60.0%, 3 sites

Stem density/ha avg. = 560, range 240-880, 2 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (83, 33%), Eucalyptus siderophloia (41, 67%), Eucalyptus tereticornis (26, 100%), Eucalyptus carnea (25, 33%), Corymbia intermedia (14, 67%)

Frequent species (cover, frequency): Eucalyptus tereticornis (13, 100%), Corymbia intermedia (7, 67%), Eucalyptus siderophloia (18, 67%), Acacia disparrima subsp. disparrima (2, 33%), Eucalyptus carnea (15, 33%), Eucalyptus crebra (50, 33%)

Stratum: T2

Height avg. = 8.0m, range 8-8m, 3 sites

Crown cover avg. = 10.0%, range 5.0-15.0%, 3 sites

Stem density/ha avg. = 413, range 200-560, 3 sites

Dominant species (relative cover, frequency): Corymbia intermedia (38, 33%), Acacia disparrima subsp. disparrima (31, 100%), Allocasuarina torulosa (26, 33%), Lophostemon confertus (23, 67%), Eucalyptus tereticornis (20, 33%)

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (3, 100%), Lophostemon confertus (3, 67%), Lophostemon suaveolens (3, 67%), Allocasuarina torulosa (4, 33%), Alphitonia excelsa (33%), Corymbia intermedia (2, 33%), Erythrina vespertilio (2, 33%), Eucalyptus crebra (2, 33%), Eucalyptus siderophloia (33%), Eucalyptus tereticornis (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

Stratum: S1

Height avg. = 2.7m, range 2-3m, 3 sites

Crown cover avg. = 10.3%, range 6.0-15.0%, 3 sites

Stem density/ha avg. = 1693, range 1320-2000, 3 sites

Dominant species (relative cover, frequency): *Lantana camara** (38, 100%), *Alyxia ruscifolia* (33, 33%), *Senna pendula* var. *glabrata** (22, 33%), *Acacia concurrens* (17, 67%), *Tecoma stans** (11, 33%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (1, 100%), *Lantana camara** (5, 100%), *Acacia concurrens* (1, 67%), *Alphitonia excelsa* (1, 67%), *Ochna serrulata** (67%), *Alyxia ruscifolia* (2, 33%), *Corymbia intermedia* (1, 33%), *Cupaniopsis anacardioides* (33%), *Cyclophyllum coprosmoides* (33%), *Erythrina vespertilio* (1, 33%), *Eucalyptus crebra* (33%), *Eucalyptus tereticornis* (33%), *Glochidion ferdinandi* (1, 33%), *Jagera pseudorhus* (33%), *Melicope elleryana* (1, 33%), *Notelaea longifolia* (33%), *Psychotria loniceroides* (33%), *Senna pendula* var. *glabrata** (2, 33%), *Tecoma stans** (1, 33%)

Stratum: G

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

PFC avg. = 35.0%, range 10-75%, 3 sites

Dominant species (relative cover, frequency): *Lantana montevidensis** (37, 33%), *Themeda triandra* (36, 33%), *Oplismenus aemulus* (23, 67%), *Ottocloa gracillima* (21, 33%), *Imperata cylindrica* (17, 67%)

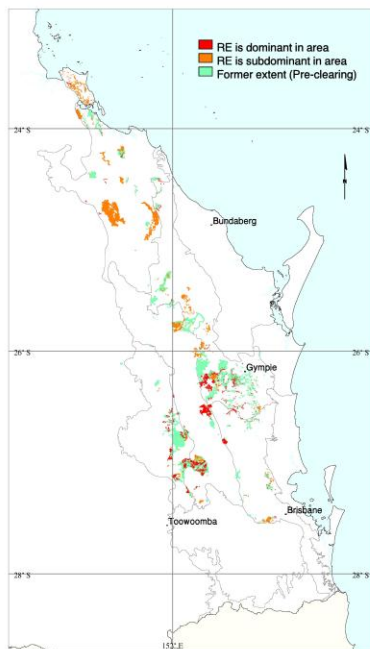
Frequent species (cover, frequency): GRAMINOIDS: *Bothriochloa decipiens* (67%), *Cymbopogon refractus* (1, 67%), *Digitaria parviflora* (1, 67%), *Imperata cylindrica* (3, 67%), *Melinis minutiflora** (67%), *Microlaena stipoides* (67%), *Oplismenus aemulus* (6, 67%), *Panicum effusum* (67%), *Scleria mackaviensis* (67%), *Carex appressa* (5, 33%), *Cenchrus caliculatus* (33%), *Chloris divaricata* (33%), *Cyperus enervis* (33%), *Cyperus laevis* (33%), *Echinopogon ovatus* var. *ovatus* (33%), *Entolasia stricta* (33%), *Eragrostis spartinoides* (33%), *Lepidosperma laterale* (33%), *Megathyrsus maximus** (33%), *Oplismenus imbecillis* (33%), *Ottocloa gracillima* (2, 33%), *Panicum simile* (33%), *Paspalidium gracile* (3, 33%), *Paspalum conjugatum** (33%), *Paspalum dilatatum** (33%), *Poa labillardierei* var. *labillardierei* (33%), *Sarga leiocladum* (33%), *Scleria indet.* (33%), *Themeda triandra* (29, 33%), *Urochloa decumbens** (33%)

FORBS: *Breynia oblongifolia* (100%), *Desmodium rhytidophyllum* (100%), *Eustrephus latifolius* (100%), *Glycine clandestina* (100%), *Oxalis chnoodes* (2, 100%), *Passiflora suberosa** (1, 100%), *Bidens pilosa** (67%), *Clematicissus opaca* (67%), *Cyanthillium cinereum* (67%), *Desmodium gunnii* (67%), *Dianella brevipedunculata* (67%), *Dianella caerulea* (67%), *Geitonoplesium cymosum* (67%), *Lobelia purpurascens* (67%), *Lomandra confertifolia* subsp. *pallida* (67%), *Lomandra laxa* (1, 67%), *Lomandra multiflora* subsp. *multiflora* (67%), *Mallotus philippensis* (67%), *Parsonsia straminea* (67%), *Passiflora subpeltata** (67%), *Phyllanthus virgatus* (67%), *Schefflera actinophylla* (67%), *Smilax australis* (67%), *Abutilon oxycarpum* (33%), *Ageratum houstonianum** (33%), *Asclepias curassavica** (33%), *Austromyrtus dulcis* (33%), *Baccharis halimifolia** (33%), *Brunoniella australis* (33%), *Cassytha pubescens* (33%), *Centella asiatica* (33%), *Cheilanthes sieberi* subsp. *sieberi* (33%), *Cirsium vulgare** (33%), *Corymbia intermedia* (33%), *Corymbia torelliana* (33%), *Crassocephalum crepidioides** (33%), *Cupaniopsis anacardioides* (33%), *Desmodium brachypodum* (33%), *Desmodium heterocarpon* subsp. *angustifolium* (33%), *Dianella longifolia* (33%), *Einadia hastata* (33%), *Embelia australiana* (33%), *Emilia sonchifolia** (33%), *Ficus rubiginosa* (33%), *Galactia tenuiflora* (33%), *Glochidion ferdinandi* (33%), *Glycine tabacina* (33%), *Gomphocarpus physocarpus** (33%), *Hypochaeris radicata** (33%), *Indigofera tinctoria** (33%), *Iphigenia indica* (33%), *Jagera pseudorhus* (33%), *Lantana montevidensis** (30, 33%), *Lepidium indet.* (33%), *Lomandra longifolia* (33%), *Lophostemon confertus* (33%), *Macrotyloma axillare* (33%), *Malvastrum coromandelianum* (33%), *Mentha diemenica* (33%), *Myrsine variabilis* (33%), *Neonotonia wightii* (33%), *Olea paniculata* (33%), *Pandorea pandorana* (33%), *Pittosporum revolutum* (33%), *Plantago debilis* (33%), *Plectranthus parviflorus* (33%), *Polyalthia nitidissima* (33%), *Poranthera microphylla* (33%), *Pteridium esculentum* (33%), *Rivina humilis** (33%), *Rostellularia obtusa* (33%), *Secamone elliptica* (33%), *Senna pendula* var. *glabrata** (33%), *Sida cordifolia** (33%), *Sida rhombifolia** (33%), *Sigesbeckia orientalis* (33%), *Solanum mauritanium** (33%), *Solanum seaforthianum** (33%), *Stephania japonica* (33%), *Swainsona galegifolia* (3, 33%), *Syagrus romanzoffiana** (33%), *Tillandsia usneoides** (33%), *Wikstroemia 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 crebra, E. tereticornis, Corymbia intermedia woodland on metamorphics +/- interbedded volcanics

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 120,814 31,418 26%

Species recorded: Total: 150; woody: 24; ground: 142; Avg. spp./site: 51.0; std dev.: 10.2, 5 site(s)

Basal area: Avg./site: 14.0 m²/ha, range: 5.0 - 31 m²/ha, std. deviation: 9 m²/ha, 5 site(s)

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

Representative sites: 13935, 13940, 14852, 15104, 15462.

Stratum: T1

Height avg. = 23.2m, range 17-27m, 5 sites

Crown cover avg. = 27.2%, range 17.0-40.0%, 5 sites

Stem density/ha avg. = 188, range 10-400, 4 sites

Dominant species (relative cover, frequency): Corymbia intermedia (42, 60%), Eucalyptus tereticornis (36, 80%), Eucalyptus crebra (32, 60%), Corymbia tessellaris (11, 40%)

Frequent species (cover, frequency): Eucalyptus tereticornis (9, 80%), Corymbia intermedia (12, 60%), Eucalyptus crebra (8, 60%), Corymbia tessellaris (3, 40%), Angophora leiocarpa (2, 20%), Angophora subvelutina (20, 20%), Eucalyptus siderophloia (20, 20%)

Stratum: T2

Height avg. = 12.0m, range 10-15m, 5 sites

Crown cover avg. = 7.4%, range 2.0-14.0%, 5 sites

Stem density/ha avg. = 155, range 60-280, 4 sites

Dominant species (relative cover, frequency): Angophora subvelutina (56, 60%), Lophostemon suaveolens (54, 40%), Eucalyptus crebra (50, 40%), Corymbia tessellaris (18, 60%), Lophostemon confertus (15, 40%)

Frequent species (cover, frequency): Angophora subvelutina (3, 60%), Corymbia tessellaris (1, 60%), Eucalyptus crebra (1, 40%), Lophostemon confertus (1, 40%), Lophostemon suaveolens (7, 40%), Acacia maidenii (20%), Allocasuarina torulosa (20%), Corymbia intermedia (5, 20%), Planchonia careya (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. = 2.3m, range 1.5-3m, 4 sites

Crown cover avg. = 6.8%, range 1.0-12.0%, 4 sites

Stem density/ha avg. = 353, range 40-700, 3 sites

Dominant species (relative cover, frequency): *Lantana camara** (45, 40%), *Acacia disparrima* subsp. *disparrima* (32, 80%), *Eucalyptus crebra* (9, 40%), *Corymbia intermedia* (3, 40%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (1, 80%), *Corymbia intermedia* (40%), *Eucalyptus crebra* (1, 40%), *Lantana camara** (6, 40%), *Acacia maidenii* (20%), *Allocasuarina torulosa* (20%), *Angophora subvelutina* (20%), *Brachychiton populneus* (20%), *Brachychiton populneus* subsp. *trilobus* (20%), *Breynia oblongifolia* (20%), *Choretrum candollei* (6, 20%), *Euroschinus falcatus* var. *falcatus* (20%), *Ficus opposita* (20%), *Lophostemon confertus* (20%), *Lophostemon suaveolens* (1, 20%), *Maclura cochinchinensis* (20%), *Mallotus philippensis* (20%), *Opuntia* indet. (20%), *Planchonia careya* (20%), *Xanthorrhoea latifolia* (3, 20%)

Stratum: G

Height avg. = 0.6m, range 0.5-0.9m, 5 sites

PFC avg. = 61.0%, range 15-95%, 5 sites

Dominant species (relative cover, frequency): *Themeda triandra* (62, 80%), *Lantana camara** (13, 80%), *Imperata cylindrica* (12, 80%), *Sarga leiocladum* (12, 40%), *Acacia disparrima* subsp. *disparrima* (3, 40%)

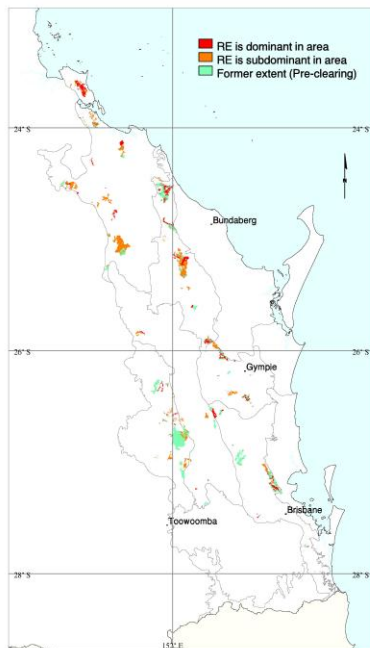
Frequent species (cover, frequency): GRAMINOIDS: *Cymbopogon refractus* (1, 80%), *Imperata cylindrica* (7, 80%), *Themeda triandra* (52, 80%), *Cyperus gracilis* (60%), *Panicum effusum* (60%), *Eragrostis spartinoideus* (40%), *Sarga leiocladum* (8, 40%), *Scleria mackaviensis* (40%), *Alloteropsis semialata* (20%), *Aristida personata* (20%), *Aristida queenslandica* var. *dissimilis* (1, 20%), *Aristida queenslandica* var. *queenslandica* (20%), *Aristida ramosa* (20%), *Bothriochloa decipiens* var. *decipiens* (2, 20%), *Capillipedium spicigerum* (20%), *Chloris divaricata* (20%), *Cyperus cyperoides* (20%), *Cyperus fulvus* (20%), *Dichelachne micrantha* (20%), *Digitaria brownii* (20%), *Digitaria diffusa* (1, 20%), *Digitaria parviflora* (20%), *Eragrostis tenuifolia** (20%), *Heteropogon contortus* (20, 20%), *Oplismenus aemulus* (20%), *Paspalidium distans* (20%), *Paspalidium gausum* (20%), *Paspalidium gracile* (20%), *Scleria brownii* (20%), *Setaria surgens* (20%)

FORBS: *Galactia tenuiflora* (100%), *Desmodium rhytidophyllum* (80%), *Eustrephus latifolius* (80%), *Lantana camara** (3, 80%), *Bidens pilosa** (60%), *Crotalaria montana* (60%), *Cyanthillium cinereum* (60%), *Flemingia parviflora* (60%), *Grewia latifolia* (60%), *Sida hackettiana* (60%), *Sigesbeckia orientalis* (60%), *Acacia disparrima* subsp. *disparrima* (1, 40%), *Acacia maidenii* (40%), *Ajuga australis* (40%), *Anisomeles malabarica* (40%), *Aster subulatus** (40%), *Breynia oblongifolia* (40%), *Calotis dentex* (40%), *Cheilanthes sieberi* (40%), *Cirsium vulgare** (40%), *Clematicissus opaca* (40%), *Conyza* indet. (40%), *Corymbia intermedia* (40%), *Desmodium gunnii* (40%), *Emilia sonchifolia** (40%), *Flindersia australis* (40%), *Hybanthus stellarioides* (40%), *Lantana montevidensis** (40%), *Lespedeza juncea* (40%), *Maclura cochinchinensis* (40%), *Mallotus philippensis* (40%), *Malvastrum coromandelianum* (40%), *Mentha diemenica* (1, 40%), *Passiflora suberosa** (40%), *Phyllanthus virgatus* (40%), *Rostellularia adscendens* (40%), *Rubus parvifolius* (40%), *Ageratum houstonianum** (20%), *Allocasuarina torulosa* (20%), *Alphitonia excelsa* (20%), *Alstonia constricta* (20%), *Amyema miquelii* (20%), *Aristolochia pubera* (20%), *Austrosteenisia blackii* (20%), *Bidens pilosa* var. *pilosa* (20%), *Brachychiton populneus* (20%), *Brachychiton populneus* subsp. *trilobus* (20%), *Bridelia leichhardtii* (20%), *Brunoniella australis* (20%), *Capparis canescens* (20%), *Centella asiatica* (20%), *Chamaecrista nomame* var. *nomame* (20%), *Chamaesyce hirta** (20%), *Chamaesyce hyssopifolia** (20%), *Chrysocephalum apiculatum* (20%), *Commelina diffusa* (20%), *Crotalaria medicaginea* (20%), *Crotalaria mitchellii* (20%), *Cyclophyllum coprosmodioides* (20%), *Desmodium gangeticum* (20%), *Desmodium heterocarpon* (20%), *Desmodium* indet. (20%), *Desmodium* var. *varians* (20%), *Dianella* indet. (20%), *Dianella longifolia* (20%), *Diospyros geminata* (20%), *Echium plantagineum** (20%), *Euroschinus falcatus* var. *falcatus* (20%), *Ficus opposita* (20%), *Glochidion ferdinandi* (20%), *Glycine clandestina* (20%), *Glycine clandestina* var. *sericea* (20%), *Glycine tabacina* (20%), *Glycine tomentella* (20%), *Gomphocarpus fruticosus** (20%), *Gomphocarpus physocarpus** (20%), *Hybanthus enneaspermus* (20%), *Hydrocotyle acutiloba* (20%), *Hydrocotyle laxiflora* (20%), *Hypochaeris radicata** (20%), *Indigofera hirsuta* (20%), *Indigofera linifolia* (20%), *Jagera pseudorhus* (20%), *Lomandra elongata* (20%), *Lomandra filiformis* (20%), *Lomandra longifolia* (20%), *Lomandra multiflora* subsp. *multiflora* (20%), *Lophostemon confertus* (20%), *Lophostemon suaveolens* (20%), *Maytenus bilocularis* (20%), *Melhania oblongifolia* (20%), *Melia azedarach* (20%), *Murdannia graminea* (20%), *Neptunia* indet. (20%), *Oxalis corniculata** (20%), *Passiflora foetida** (20%), *Planchonia careya* (20%), *Plectranthus graveolens* (20%), *Pogonolobus reticulatus* (20%), *Pomaderris lanigera* (20%), *Pterocaulon sphacelatum* (20%), *Pycnospora lutescens* (20%), *Sida cordifolia** (20%), *Sida rhombifolia** (20%), *Smilax australis* (20%), *Stephania japonica* (20%), *Verbena litoralis** (20%), *Veronica plebeia* (20%), *Viola betonicifolia* (20%), *Xanthium occidentale** (20%), *Xanthorrhoea latifolia* (2, 20%), *Zornia dyctiocarpa* (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 moluccana woodland on metamorphics +/- interbedded volcanics

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 59,491 24,399 41%

Species recorded: Total: 139; woody: 26; ground: 123; Avg. spp./site: 49.4; std dev.: 10.5, 5 site(s)

Basal area: Avg./site: 17.4 m²/ha, range: 13.0 - 25 m²/ha, std. deviation: 4 m²/ha, 5 site(s)

Structural formation: Woodland: 80%; open-forest: 20%, 5 site(s)

Representative sites: 14124, 14196, 15453, 19851, 19862.

Stratum: T1

Height avg. = 22.0m, range 19-25m, 5 sites

Crown cover avg. = 37.6%, range 18.0-60.0%, 5 sites

Stem density/ha avg. = 215, range 100-380, 4 sites

Dominant species (relative cover, frequency): Eucalyptus moluccana (74, 100%), Eucalyptus siderophloia (16, 60%), Corymbia citriodora subsp. variegata (12, 40%), Eucalyptus crebra (10, 40%)

Frequent species (cover, frequency): Eucalyptus moluccana (30, 100%), Eucalyptus siderophloia (5, 60%), Corymbia citriodora subsp. variegata (4, 40%), Eucalyptus crebra (5, 40%), Corymbia intermedia (2, 20%), Eucalyptus carnea (5, 20%), Eucalyptus tereticornis (4, 20%)

Stratum: T2

Height avg. = 9.6m, range 8-12m, 5 sites

Crown cover avg. = 10.0%, range 4.0-15.0%, 5 sites

Stem density/ha avg. = 307, range 20-660, 3 sites

Dominant species (relative cover, frequency): Eucalyptus carnea (61, 40%), Eucalyptus moluccana (39, 100%), Eucalyptus siderophloia (19, 60%), Corymbia intermedia (14, 40%), Corymbia citriodora subsp. variegata (14, 40%)

Frequent species (cover, frequency): Eucalyptus moluccana (3, 100%), Eucalyptus siderophloia (1, 60%), Corymbia citriodora subsp. variegata (2, 40%), Corymbia intermedia (2, 40%), Eucalyptus carnea (9, 40%), Lophostemon suaveolens (1, 40%), Acacia disparrima subsp. disparrima (2, 20%), Alphitonia excelsa (3, 20%), Angophora leiocarpa (2, 20%), Eucalyptus seeana (1, 20%), Melaleuca salicina (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

Stratum: T3

Height avg. = 3.5m, 1 site

Crown cover avg. = 1.0%, 1 site

Stem density/ha avg. = 60, 1 site

*Frequent species (cover, frequency): Eucalyptus moluccana (1, 20%), Eucalyptus tereticornis (20%)***Stratum: S1**

Height avg. = 2.1m, range 1.5-3m, 4 sites

Crown cover avg. = 9.0%, range 1.0-15.0%, 4 sites

Stem density/ha avg. = 833, range 140-2000, 3 sites

Dominant species (relative cover, frequency): Choretrum candollei (45, 40%), Lantana camara (21, 60%), Acacia concurrens (20, 40%), Alphitonia excelsa (14, 40%), Acacia disparrima subsp. disparrima (8, 80%)**Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (1, 80%), Lantana camara* (3, 60%), Acacia concurrens (3, 40%), Acacia maidenii (1, 40%), Alphitonia excelsa (2, 40%), Choretrum candollei (5, 40%), Melaleuca salicina (40%), Angophora leiocarpa (20%), Breynia oblongifolia (1, 20%), Corymbia citriodora subsp. variegata (3, 20%), Eucalyptus carnea (1, 20%), Exocarpos cupressiformis (1, 20%), Lophostemon confertus (2, 20%), Lophostemon suaveolens (20%), Maytenus bilocularis (3, 20%), Melaleuca decora (20%), Myoporum montanum (1, 20%), Psychotria daphnoides (1, 20%), Solanum stelligerum (20%), Wikstroemia indica (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

Stratum: G

Height avg. = 0.4m, range 0.3-0.6m, 5 sites

PFC avg. = 39.6%, range 8-70%, 5 sites

Dominant species (relative cover, frequency): *Eragrostis brownii* (31, 40%), *Themeda triandra* (19, 60%), *Entolasia stricta* (8, 40%), *Cymbopogon refractus* (8, 60%), *Imperata cylindrica* (7, 80%)

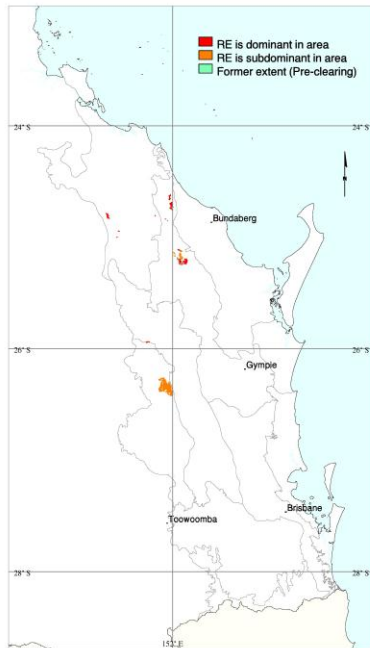
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (6, 80%), *Aristida calycina* (1, 60%), *Cymbopogon refractus* (6, 60%), *Digitaria parviflora* (60%), *Sporobolus creber* (1, 60%), *Themeda triandra* (17, 60%), *Dichelachne micrantha* (5, 40%), *Entolasia stricta* (2, 40%), *Eragrostis brownii* (18, 40%), *Eragrostis spartinoides* (40%), *Fimbristylis dichotoma* (1, 40%), *Panicum effusum* (3, 40%), *Paspalidium distans* (40%), *Bothriochloa decipiens* var. *decipiens* (20%), *Capillipedium parviflorum* (20%), *Cyperus gracilis* (20%), *Cyperus* indet. (1, 20%), *Enteropogon unispiceus* (8, 20%), *Eragrostis parviflora* (1, 20%), *Eremochloa bimaculata* (2, 20%), *Heteropogon contortus* (15, 20%), *Melinis minutiflora** (20%), *Oplismenus aemulus* (1, 20%), *Ottlochloa gracillima* (7, 20%), *Poa labillardierei* (1, 20%), *Poa sieberiana* (25, 20%), *Sporobolus* indet. (1, 20%)

FORBS: *Desmodium rhytidophyllum* (100%), *Brunoniella australis* (80%), *Cyanthillium cinereum* (80%), *Lobelia purpurascens* (80%), *Lomandra confertifolia* subsp. *pallida* (80%), *Cirsium vulgare** (60%), *Desmodium varians* (60%), *Dianella caerulea* (60%), *Dianella longifolia* (60%), *Eremophila debilis* (60%), *Eustrephus latifolius* (60%), *Lomandra multiflora* subsp. *multiflora* (60%), *Plectranthus parviflorus* (60%), *Brenya oblongifolia* (40%), *Centella asiatica* (40%), *Chryscephalum apiculatum* (40%), *Crassocephalum crepidioides** (40%), *Desmodium gunnii* (1, 40%), *Dianella brevipedunculata* (1, 40%), *Dianella rara* (1, 40%), *Dichondra repens* (1, 40%), *Eucalyptus carnea* (40%), *Glycine clandestina* (40%), *Glycine tabacina* (40%), *Goodenia rotundifolia* (40%), *Haloragis heterophylla* (1, 40%), *Hybanthus stellarioides* (1, 40%), *Hydrocotyle laxiflora* (1, 40%), *Hypericum gramineum* (1, 40%), *Hypochaeris radicata** (40%), *Lantana camara** (40%), *Lespedeza juncea* (1, 40%), *Lomandra longifolia* (40%), *Murdannia graminea* (40%), *Opercularia diphylla* (40%), *Plantago debilis* (1, 40%), *Poranthera microphylla* (40%), *Schenkia australis* (1, 40%), *Sonchus oleraceus** (40%), *Veronica plebeia* (1, 40%), *Viola betonicifolia* (1, 40%), *Acacia disparrima* subsp. *disparrima* (20%), *Acacia falcata* (20%), *Acacia maidenii* (1, 20%), *Arthropodium milleflorum* (1, 20%), *Bidens pilosa** (20%), *Brachyscome microcarpa* (1, 20%), *Calotis dentex* (20%), *Cheilanthes distans* (1, 20%), *Cheilanthes sieberi* (1, 20%), *Cheilanthes sieberi* subsp. *sieberi* (20%), *Chorizema parviflorum* (20%), *Commelina diffusa* (1, 20%), *Cyclosporum leptophyllum** (1, 20%), *Desmodium brachypodum* (20%), *Dianella longifolia* var. *stenophylla* (20%), *Eucalyptus moluccana* (1, 20%), *Galactia tenuiflora* (20%), *Geitonoplesium cymosum* (20%), *Glycine clandestina* var. *clandestina* (20%), *Gnaphalium* indet. (1, 20%), *Gomphocarpus physocarpus** (1, 20%), *Hardenbergia violacea* (1, 20%), *Hybanthus enneaspermus* (20%), *Indigofera australis* (20%), *Lantana montevidensis** (2, 20%), *Lespedeza juncea* subsp. *sericea* (20%), *Lissanthe strigosa* (1, 20%), *Lomandra filiformis* (1, 20%), *Lomandra laxa* (20%), *Maytenus bilocularis* (1, 20%), *Mentha diemenica* (1, 20%), *Oxalis* indet. (1, 20%), *Passiflora edulis** (20%), *Passiflora suberosa** (20%), *Phyllanthus virgatus* (1, 20%), *Pimelea linifolia* (1, 20%), *Polygala japonica* (1, 20%), *Polymeria calycina* (1, 20%), *Pseuderanthemum variabile* (20%), *Psychotria daphnoides* (1, 20%), *Psydrax odorata* forma *buxifolia* (1, 20%), *Rostellularia adscendens* (20%), *Senecio pinnatifolius* (20%), *Sida rhombifolia** (20%), *Sisyrinchium iridifolium** (1, 20%), *Solanum nigrum* (20%), *Solanum stelligerum* (20%), *Spermacoce* indet. (1, 20%), *Stackhousia viminea* (1, 20%), *Thysanotus tuberosus* (1, 20%), *Trema tomentosa* (20%), *Tricoryne elatior* (20%), *Wahlenbergia gracilis* (1, 20%), *Wikstroemia indica* (1, 20%), *Zornia dyctiocarpa* var. *dyctiocarpa* (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 fibrosa subsp. fibrosa woodland on metamorphics +/- interbedded volcanics

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 7,447 6,073 82%

Species recorded: Total: 49; woody: 18; ground: 36; Avg. spp./site: 22.7; std dev.: 2.1, 4 site(s)

Basal area: Avg./site: 23.0 m²/ha, range: 16.0 - 31 m²/ha, std. deviation: 6 m²/ha, 4 site(s)

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

Representative sites: 13754, 13794, 15142, 15286.

Stratum: T1

Height avg. = 26.8m, range 23-35m, 4 sites

Crown cover avg. = 40.0%, range 24.0-53.0%, 4 sites

Stem density/ha avg. = 407, range 240-600, 3 sites

Dominant species (relative cover, frequency): Eucalyptus fibrosa subsp. fibrosa (77, 100%), Eucalyptus acmenoides (30, 25%), Corymbia citriodora subsp. variegata (21, 50%), Eucalyptus moluccana (8, 25%), Corymbia clarksoniana (8, 25%)

Frequent species (cover, frequency): Eucalyptus fibrosa subsp. fibrosa (30, 100%), Corymbia citriodora subsp. variegata (11, 50%), Corymbia clarksoniana (2, 25%), Eucalyptus acmenoides (16, 25%), Eucalyptus major (1, 25%), Eucalyptus moluccana (2, 25%)

Stratum: T2

Height avg. = 14.0m, range 12-16m, 2 sites

Crown cover avg. = 12.5%, range 10.0-15.0%, 2 sites

Stem density/ha avg. = 60, 1 site

Dominant species (relative cover, frequency): Eucalyptus fibrosa subsp. fibrosa (66, 50%), Eucalyptus exserta (33, 25%), Eucalyptus acmenoides (33, 25%), Corymbia intermedia (1, 25%), Corymbia clarksoniana (1, 25%)

Frequent species (cover, frequency): Eucalyptus fibrosa subsp. fibrosa (8, 50%), Corymbia clarksoniana (25%), Corymbia intermedia (25%), Eucalyptus acmenoides (5, 25%), Eucalyptus exserta (5, 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. = 1.9m, range 1.5-2m, 4 sites

Crown cover avg. = 8.0%, range 6.0-12.0%, 4 sites

Stem density/ha avg. = 73, range 20-160, 3 sites

Dominant species (relative cover, frequency): *Acacia complanata* (82, 50%), *Acacia leiocalyx* (51, 50%), *Eucalyptus moluccana* (33, 25%), *Eucalyptus fibrosa* subsp. *fibrosa* (33, 25%), *Acacia fimbriata* (17, 50%)

Frequent species (cover, frequency): *Acacia complanata* (8, 50%), *Acacia fimbriata* (1, 50%), *Acacia leiocalyx* (10, 50%), *Alphitonia excelsa* (50%), *Lophostemon confertus* (1, 50%), *Acacia disparrima* subsp. *disparrima* (25%), *Acacia falciformis* (1, 25%), *Acacia ixiophylla* (25%), *Corymbia trachyphloia* subsp. *trachyphloia* (25%), *Eucalyptus fibrosa* subsp. *fibrosa* (2, 25%), *Eucalyptus moluccana* (2, 25%), *Pultenaea villosa* (25%)

Stratum: G

Height avg. = 0.4m, range 0.2-0.6m, 4 sites

PFC avg. = 46.0%, range 30-70%, 4 sites

Dominant species (relative cover, frequency): *Eremochloa bimaculata* (58, 75%), *Xanthorrhoea johnsonii* (33, 25%), *Macrozamia miquelii* (33, 25%), *Capillipedium spicigerum* (24, 25%), *Acacia amblygona* (14, 50%)

Frequent species (cover, frequency): GRAMINOIDS: *Aristida queenslandica* var. *queenslandica* (7, 75%), *Entolasia stricta* (4, 75%), *Eremochloa bimaculata* (32, 75%), *Cymbopogon refractus* (1, 50%), *Panicum effusum* (50%), *Aristida vagans* (2, 25%), *Arundinella nepalensis* (5, 25%), *Capillipedium spicigerum* (10, 25%), *Heteropogon contortus* (25%), *Paspalidium distans* (25%)

FORBS: *Acacia amblygona* (6, 50%), *Dianella longifolia* (50%), *Eustrephus latifolius* (50%), *Glycine clandestina* var. *clandestina* (50%), *Goodenia rotundifolia* (1, 50%), *Hardenbergia violacea* (1, 50%), *Lomandra filiformis* (1, 50%), *Acacia fimbriata* (25%), *Acacia ixiophylla* (25%), *Acacia leiocalyx* (25%), *Acrotriche aggregata* (1, 25%), *Calotis dentex* (25%), *Corymbia citriodora* subsp. *variegata* (25%), *Desmodium rhytidophyllum* (1, 25%), *Dianella brevipedunculata* (25%), *Dianella caerulea* (25%), *Dianella revoluta* (25%), *Eucalyptus moluccana* (25%), *Goodenia hederacea* subsp. *hederacea* (25%), *Kennedia rubicunda* (25%), *Macrozamia miquelii* (10, 25%), *Parsonsia lanceolata* (25%), *Phyllanthus virgatus* (25%), *Pseuderanthemum variable* (25%), *Solanum gympiense* (25%), *Xanthorrhoea johnsonii* (10, 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 pilularis open-forest on coastal metamorphics and interbedded volcanics

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 9,302 1,793 19%

Species recorded: Total: 140; woody: 36; ground: 117; Avg. spp./site: 44.7; std dev.: 13.7, 6 site(s)

Basal area: Avg./site: 24.0 m²/ha, range: 15.0 - 37 m²/ha, std. deviation: 8 m²/ha, 6 site(s)

Structural formation: Woodland: 33%; open-forest: 33%; tall open-woodland: 17%; tall open-forest: 17%, 6 site(s)

Representative sites: 19760, 19761, 19837, 19842, 19873, 19913.

Stratum: T1

Height avg. = 26.8m, range 24-30m, 6 sites

Crown cover avg. = 37.8%, range 12.0-65.0%, 6 sites

Stem density/ha avg. = 264, range 80-480, 5 sites

Dominant species (relative cover, frequency): Eucalyptus pilularis (47, 100%), Eucalyptus microcorys (24, 33%), Eucalyptus tindaliae (22, 67%), Corymbia intermedia (17, 83%), Angophora woodsiana (16, 33%)

Frequent species (cover, frequency): Eucalyptus pilularis (13, 100%), Corymbia intermedia (7, 83%), Eucalyptus tindaliae (10, 67%), Angophora woodsiana (5, 33%), Corymbia gummiifera (1, 33%), Eucalyptus microcorys (16, 33%), Eucalyptus resinifera (6, 33%), Lophostemon confertus (5, 33%), Eucalyptus propinqua (3, 17%), Eucalyptus siderophloia (2, 17%), Syncarpia glomulifera (8, 17%)

Stratum: T2

Height avg. = 10.2m, range 8-14m, 6 sites

Crown cover avg. = 11.0%, range 3.0-30.0%, 6 sites

Stem density/ha avg. = 900, range 240-2400, 6 sites

Dominant species (relative cover, frequency): Angophora woodsiana (72, 33%), Allocasuarina littoralis (44, 33%), Lophostemon confertus (31, 67%), Corymbia intermedia (23, 67%), Eucalyptus resinifera (17, 33%)

Frequent species (cover, frequency): Corymbia intermedia (2, 67%), Lophostemon confertus (6, 67%), Acacia disparrima subsp. disparrima (1, 33%), Allocasuarina littoralis (5, 33%), Angophora woodsiana (3, 33%), Eucalyptus pilularis (33%), Eucalyptus resinifera (5, 33%), Allocasuarina torulosa (3, 17%), Alphitonia excelsa (17%), Eucalyptus carnea (2, 17%), Eucalyptus microcorys (2, 17%), Eucalyptus propinqua (17%), Eucalyptus tindaliae (17%), Syncarpia glomulifera (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. = 2.5m, range 1.5-3m, 6 sites

Crown cover avg. = 7.3%, range 2.0-13.0%, 6 sites

Stem density/ha avg. = 1387, range 240-2560, 6 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (54, 83%), *Allocasuarina littoralis* (44, 33%), *Acacia disparrima* subsp. *disparrima* (30, 33%), *Acacia concurrens* (22, 33%), *Persoonia media* (4, 50%)

Frequent species (cover, frequency): *Lophostemon confertus* (3, 83%), *Persoonia media* (50%), *Acacia concurrens* (2, 33%), *Acacia disparrima* subsp. *disparrima* (3, 33%), *Allocasuarina littoralis* (4, 33%), *Alphitonia excelsa* (33%), *Syncarpia glomulifera* (33%), *Acacia falcata* (17%), *Allocasuarina torulosa* (1, 17%), *Angophora woodsiana* (1, 17%), *Corymbia intermedia* (17%), *Corymbia torelliana* (17%), *Dodonaea triquetra* (17%), *Elaeocarpus reticulatus* (17%), *Eupomatia laurina* (17%), *Euroschinus falcatus* var. *angustifolius* (17%), *Glochidion sumatranum* (17%), *Hovea acutifolia* (17%), *Jacksonia scoparia* (17%), *Lantana camara** (2, 17%), *Leptospermum polygalifolium* (17%), *Lophostemon suaveolens* (17%), *Melaleuca saligna* (17%), *Nerium oleander** (17%), *Pittosporum revolutum* (1, 17%), *Pultenaea villosa* (17%), *Schefflera actinophylla* (1, 17%), *Schizomeria ovata* (2, 17%)

Stratum: G

Height avg. = 0.7m, range 0.6-0.7m, 6 sites

PFC avg. = 40.8%, range 20-60%, 6 sites

Dominant species (relative cover, frequency): *Themeda triandra* (22, 83%), *Eremochloa bimaculata* (18, 67%), *Calochlaena dubia* (17, 50%), *Pteridium esculentum* (16, 67%), *Entolasia stricta* (15, 83%)

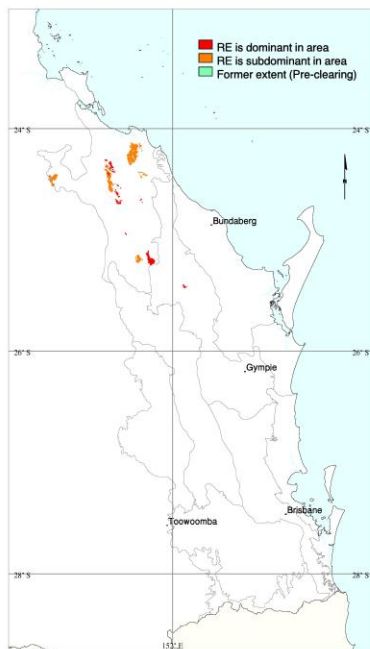
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (6, 100%), *Entolasia stricta* (7, 83%), *Lepidosperma laterale* (83%), *Themeda triandra* (8, 83%), *Eremochloa bimaculata* (10, 67%), *Alloteropsis semialata* (4, 50%), *Cymbopogon refractus* (2, 33%), *Digitaria parviflora* (33%), *Microlaena stipoides* (2, 33%), *Oplismenus imbecillis* (33%), *Aristida calycina* (3, 17%), *Eragrostis brownii* (17%), *Oplismenus aemulus* (17%), *Ottochloa gracillima* (4, 17%), *Panicum effusum* (17%), *Paspalidium distans* (17%), *Paspalidium gracile* (17%), *Paspalum indet.* (17%), *Scleria levis* (17%)

FORBS: *Dianella caerulea* (100%), *Cyanthillium cinereum* (83%), *Desmodium rhytidophyllum* (83%), *Eustrephus latifolius* (67%), *Goodenia rotundifolia* (67%), *Lobelia purpurascens* (67%), *Pteridium esculentum* (7, 67%), *Brunoniella australis* (50%), *Calochlaena dubia* (11, 50%), *Lomandra laxa* (1, 50%), *Lomandra longifolia* (50%), *Lomandra multiflora* subsp. *multiflora* (50%), *Lomatia silaifolia* (50%), *Passiflora suberosa** (50%), *Acacia disparrima* subsp. *disparrima* (33%), *Acacia longissima* (33%), *Babingtonia similis* (33%), *Cassytha pubescens* (33%), *Cinnamomum camphora** (33%), *Clematicissus opaca* (33%), *Desmodium gunnii* (33%), *Dioscorea transversa* (33%), *Doodia media* (33%), *Glycine clandestina* (33%), *Hardenbergia violacea* (33%), *Lomandra confertifolia* subsp. *pallida* (1, 33%), *Notelaea ovata* (1, 33%), *Pandorea pandorana* (33%), *Pseuderanthemum variabile* (33%), *Pultenaea villosa* (33%), *Schefflera actinophylla* (33%), *Senna pendula* var. *glabrata** (33%), *Smilax australis* (33%), *Stephania japonica* (33%), *Xanthorrhoea macronema* (1, 33%), *Acacia concurrens* (17%), *Acacia maidenii* (17%), *Acacia melanoxylon* (17%), *Acianthus fornicatus* (17%), *Ageratina adenophora** (17%), *Allocasuarina littoralis* (17%), *Alphitonia excelsa* (17%), *Astrotricha latifolia* (17%), *Baccharis halimifolia** (17%), *Billardiera scandens* (17%), *Blechnum cartilagineum* (2, 17%), *Breynia oblongifolia* (17%), *Cassytha filiformis* (17%), *Corybas barbarae* (17%), *Crassocephalum crepidioides** (17%), *Cupaniopsis anacardioides* (17%), *Daviesia ulicifolia* (17%), *Dianella longifolia* (17%), *Doodia aspera* (17%), *Echinostephia aculeata* (17%), *Emilia sonchifolia** (17%), *Eucalyptus siderophloia* (17%), *Eucalyptus tereticornis* (17%), *Eucalyptus tindaliae* (17%), *Geitonoplesium cymosum* (17%), *Glochidion ferdinandi* (17%), *Gymnostachys anceps* (17%), *Hibbertia aspera* (17%), *Hibbertia dentata* (1, 17%), *Hibbertia vestita* (17%), *Hovea acutifolia* (17%), *Ipomoea cairica** (17%), *Jacaranda mimosifolia** (17%), *Kennedia rubicunda* (17%), *Lantana camara** (17%), *Lepidozamia peroffskyana* (17%), *Leptospermum polygalifolium* (17%), *Leucopogon juniperinus* (17%), *Lophostemon suaveolens* (17%), *Melaleuca quinquenervia* (17%), *Melicope elleryana* (17%), *Monotoca scoparia* (17%), *Myrsine angusta* (17%), *Nephrolepis cordifolia* (17%), *Notelaea longifolia* (17%), *Ochna serrulata** (17%), *Olea paniculata* (17%), *Oxalis chnoodes* (17%), *Parsonsia lanceolata* (17%), *Phyllanthus gunnii* (17%), *Pimelea linifolia* (17%), *Pittosporum revolutum* (17%), *Polyscias sambucifolia* (17%), *Psychotria loniceroides* (17%), *Rhaphiolepis indica** (17%), *Rhodamnia rubescens* (17%), *Rubus moluccanus* var. *trilobus* (17%), *Rubus x novus* (17%), *Schizaea bifida* (17%), *Seringia arborescens* (17%), *Syagrus romanzoffiana** (17%), *Tripladenia cunninghamii* (17%), *Zieria smithii* (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 acmenoides +/- Syncarpia glomulifera woodland on Mesozoic to Proterozoic igneous rocks, especially granite

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 10,741 10,148 94%

Species recorded: Total: 101; woody: 19; ground: 95; Avg. spp./site: 48.7; std dev.: 9.6, 3 site(s)

Basal area: Avg./site: 24.9 m²/ha, range: 15.0 - 31 m²/ha, std. deviation: 7 m²/ha, 3 site(s)

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

Representative sites: 13759, 14697, 14933.

Stratum: E

Height avg. = 26.0m, 1 site

Crown cover avg. = 2.0%, 1 site

Stem density/ha avg. = 20, 1 site

Dominant species (relative cover, frequency): Eucalyptus acmenoides (95, 33%), Corymbia intermedia (5, 33%)

Frequent species (cover, frequency): Corymbia intermedia (33%), Eucalyptus acmenoides (2, 33%)

Stratum: T1

Height avg. = 18.3m, range 16-20m, 3 sites

Crown cover avg. = 38.0%, range 30.0-44.0%, 3 sites

Stem density/ha avg. = 117, range 70-140, 3 sites

Dominant species (relative cover, frequency): Eucalyptus acmenoides (47, 100%), Eucalyptus resinifera (41, 33%), Syncarpia glomulifera (28, 67%), Corymbia intermedia (20, 100%)

Frequent species (cover, frequency): Corymbia intermedia (7, 100%), Eucalyptus acmenoides (17, 100%), Syncarpia glomulifera (12, 67%), Allocasuarina torulosa (33%), Eucalyptus resinifera (19, 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. = 9.0m, range 8-10m, 2 sites

Crown cover avg. = 9.7%, range 4.0-15.0%, 3 sites

Stem density/ha avg. = 147, range 80-260, 3 sites

Dominant species (relative cover, frequency): *Corymbia intermedia* (41, 67%), *Allocasuarina torulosa* (34, 100%), *Syncarpia glomulifera* (33, 33%), *Banksia integrifolia* subsp. *compar* (29, 33%), *Eucalyptus acmenoides* (28, 67%)

Frequent species (cover, frequency): *Allocasuarina torulosa* (3, 100%), *Corymbia intermedia* (4, 67%), *Eucalyptus acmenoides* (2, 67%), *Banksia integrifolia* subsp. *compar* (2, 33%), *Syncarpia glomulifera* (5, 33%)

Stratum: S1

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

Crown cover avg. = 2.7%, range 1.0-4.0%, 3 sites

Stem density/ha avg. = 135, range 40-230, 2 sites

Dominant species (relative cover, frequency): *Eucalyptus acmenoides* (83, 33%), *Xanthorrhoea latifolia* subsp. *latifolia* (27, 33%), *Allocasuarina torulosa* (18, 67%), *Alphitonia excelsa* (14, 67%), *Lantana camara** (14, 33%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (67%), *Allocasuarina torulosa* (1, 67%), *Alphitonia excelsa* (67%), *Pomaderris canescens* (67%), *Syncarpia glomulifera* (67%), *Acacia flavescens* (33%), *Acacia leiocalyx* (33%), *Dodonaea lanceolata* (33%), *Elaeocarpus obovatus* (33%), *Eucalyptus acmenoides* (1, 33%), *Glochidion lobocarpum* (33%), *Hibiscus divaricatus* (33%), *Lantana camara** (1, 33%), *Melaleuca salicina* (33%), *Solanum stelligerum* (33%), *Xanthorrhoea latifolia* subsp. *latifolia* (1, 33%)

Stratum: G

Height avg. = 0.7m, range 0.5-0.9m, 3 sites

PFC avg. = 78.3%, range 50-95%, 3 sites

Stem density/ha avg. = 200, 1 site

Dominant species (relative cover, frequency): *Pteridium esculentum* (66, 33%), *Themeda triandra* (28, 100%), *Xanthorrhoea latifolia* subsp. *latifolia* (24, 67%), *Macrozamia miquelii* (20, 67%), *Lomandra multiflora* subsp. *multiflora* (11, 33%)

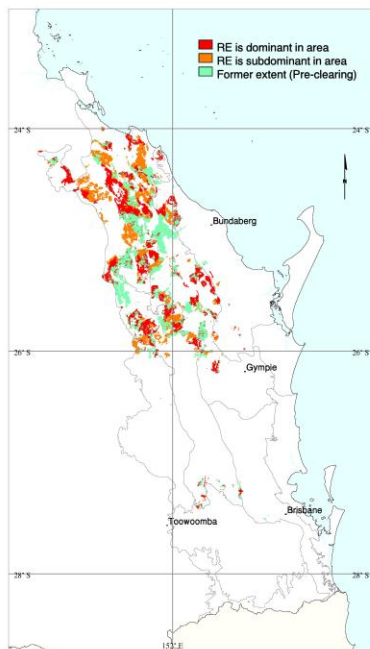
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (1, 100%), *Themeda triandra* (27, 100%), *Arundinella nepalensis* (2, 67%), *Digitaria parviflora* (1, 67%), *Entolasia stricta* (1, 67%), *Gahnia aspera* (67%), *Oplismenus aemulus* (1, 67%), *Scleria brownii* (67%), *Carex breviculmis* (33%), *Cymbopogon refractus* (33%), *Entolasia marginata* (33%), *Lepidosperma laterale* (33%), *Oplismenus imbecillis* (33%), *Ottocloa nodosa* (2, 33%), *Panicum effusum* (33%), *Panicum simile* (33%), *Paspalidium gausum* (33%), *Sarga leiocladum* (10, 33%)

FORBS: *Clematicissus opaca* (100%), *Desmodium rhytidophyllum* (100%), *Eustrephus latifolius* (100%), *Acacia disparrima* subsp. *disparrima* (67%), *Acacia maidenii* (67%), *Acrotriche aggregata* (67%), *Adiantum hispidulum* (67%), *Allocasuarina torulosa* (67%), *Brunoniella australis* (67%), *Commelina diffusa* (67%), *Corymbia intermedia* (67%), *Cyanthillium cinereum* (67%), *Desmodium brachypodum* (67%), *Desmodium gunnii* (67%), *Eucalyptus acmenoides* (67%), *Glycine clandestina* var. *clandestina* (67%), *Gymnostachys anceps* (1, 67%), *Hybanthus stellarioides* (67%), *Macrozamia miquelii* (11, 67%), *Phyllanthus virgatus* (67%), *Smilax glycyphylla* (67%), *Syncarpia glomulifera* (1, 67%), *Tricoryne anceps* (1, 67%), *Xanthorrhoea latifolia* subsp. *latifolia* (15, 67%), *Acacia flavescens* (33%), *Aeschynomene brevifolia* (33%), *Alphitonia excelsa* (33%), *Alyxia ruscifolia* subsp. *ruscifolia* (33%), *Araucaria cunninghamii* (33%), *Asplenium paleaceum* (33%), *Astrotricha intermedia* (33%), *Banksia integrifolia* subsp. *integrifolia* (33%), *Breynia oblongifolia* (33%), *Cassytha pubescens* (33%), *Claoxylon tenerifolium* (33%), *Commelina lanceolata* (33%), *Crotalaria montana* (33%), *Curculigo ensifolia* (33%), *Dianella caerulea* (1, 33%), *Dianella caerulea* var. *vannata* (33%), *Dioscorea transversa* (33%), *Dodonaea lanceolata* (33%), *Drynaria rigidula* (33%), *Elaeocarpus obovatus* (33%), *Galactia tenuiflora* (33%), *Gomphocarpus physocarpus** (33%), *Gompholobium pinnatum* (33%), *Goodenia rotundifolia* (33%), *Goodenia* sp. (Mt Castletower M.D.Crisp 2753) (33%), *Hardenbergia violacea* (33%), *Hibbertia aspera* (33%), *Hibbertia linearis* var. *obtusifolia* (33%), *Iphigenia indica* (33%), *Jagera pseudorhus* forma *pseudorhus* (33%), *Lantana camara** (1, 33%), *Lomandra filiformis* (33%), *Lomandra multiflora* subsp. *multiflora* (10, 33%), *Marsdenia indet.* (33%), *Oxalis corniculata** (1, 33%), *Passiflora aurantia* (33%), *Peripleura hispidula* (33%), *Polygala japonica* (33%), *Polymeria calycina* (33%), *Pomaderris canescens* (1, 33%), *Psychotria daphnoides* (33%), *Pteridium esculentum* (60, 33%), *Ranunculus indet.* (33%), *Rhodamnia rubescens* (33%), *Rhynchosia minima* (33%), *Rubus moluccanus* (33%), *Sigesbeckia orientalis* (33%), *Smilax australis* (33%), *Solanum stelligerum* (33%), *Tephrosia filipes* (33%), *Tephrosia rufula* (33%), *Viola hederacea* (33%), *Xanthorrhoea johnsonii* (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

Corymbia citriodora subsp. variegata, Eucalyptus crebra open-forest on Mesozoic to Proterozoic igneous rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 345,230 194,846 56%

Species recorded: Total: 76; woody: 18; ground: 58; Avg. spp./site: 35.0; std dev.: 9.0, 3 site(s)

Basal area: Avg./site: 14.7 m²/ha, range: 14.0 - 15 m²/ha, std. deviation: 0 m²/ha, 3 site(s)

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

Representative sites: 14284, 15757, 40449.

Stratum: T1

Height avg. = 21.7m, range 17-30m, 3 sites

Crown cover avg. = 55.7%, range 45.0-70.0%, 3 sites

Stem density/ha avg. = 280, 1 site

Dominant species (relative cover, frequency): Corymbia citriodora subsp. variegata (69, 100%), Eucalyptus crebra (27, 100%), Eucalyptus tereticornis (11, 33%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (45, 100%), Eucalyptus crebra (16, 100%), Eucalyptus tereticornis (9, 33%)

Stratum: T2

Height avg. = 10.8m, range 9-13.5m, 3 sites

Crown cover avg. = 9.0%, range 5.0-12.0%, 3 sites

Stem density/ha avg. = 400, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (59, 67%), Corymbia citriodora subsp. variegata (50, 100%), Eucalyptus exserta (17, 33%), Ficus fraseri (10, 33%), Cymbidium canaliculatum (2, 33%)

Frequent species (cover, frequency): Corymbia citriodora subsp. variegata (5, 100%), Eucalyptus crebra (5, 67%), Alphitonia excelsa (33%), Cymbidium canaliculatum (33%), Eucalyptus exserta (2, 33%), Ficus fraseri (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

Stratum: T3

Height avg. = 6.5m, range 5-8m, 2 sites

Crown cover avg. = 4.5%, range 2.0-7.0%, 2 sites

Dominant species (relative cover, frequency): *Brachychiton populneus* (50, 33%), *Acacia disparrima* subsp. *disparrima* (50, 33%), *Corymbia citriodora* subsp. *variegata* (43, 33%), *Eucalyptus exserta* (29, 33%), *Eucalyptus crebra* (29, 33%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (1, 33%), *Brachychiton populneus* (1, 33%), *Corymbia citriodora* subsp. *variegata* (3, 33%), *Eucalyptus crebra* (2, 33%), *Eucalyptus exserta* (2, 33%)

Stratum: S1

Height avg. = 2.2m, range 2-2.5m, 3 sites

Crown cover avg. = 15.3%, range 4.0-32.0%, 3 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (58, 33%), *Acacia leiocalyx* (47, 67%), *Lantana camara** (31, 33%), *Alphitonia excelsa* (22, 100%), *Acacia grandifolia* (19, 33%)

Frequent species (cover, frequency): *Alphitonia excelsa* (3, 100%), *Acacia leiocalyx* (11, 67%), *Jacksonia scoparia* (67%), *Lophostemon suaveolens* (1, 67%), *Acacia disparrima* subsp. *disparrima* (5, 33%), *Acacia falcata* (33%), *Acacia grandifolia* (2, 33%), *Cymbidium canaliculatum* (33%), *Lantana camara** (1, 33%), *Leptospermum polygalifolium* (33%), *Lophostemon confertus* (6, 33%), *Parsonia straminea* (33%)

Stratum: G

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

PFC avg. = 73.3%, range 60-100%, 3 sites

Dominant species (relative cover, frequency): *Arundinella nepalensis* (39, 33%), *Melinis repens** (33, 33%), *Heteropogon contortus* (25, 67%), *Eragrostis leptostachya* (20, 33%), *Aristida queenslandica* var. *dissimilis* (16, 33%)

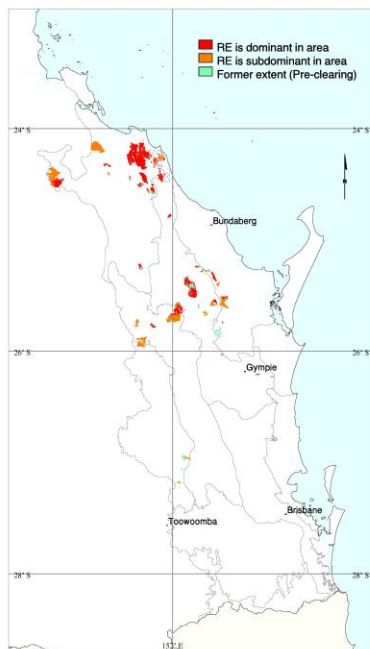
Frequent species (cover, frequency): GRAMINOIDS: *Aristida queenslandica* var. *queenslandica* (7, 67%), *Cymbopogon refractus* (7, 67%), *Eragrostis spartinoides* (1, 67%), *Heteropogon contortus* (16, 67%), *Panicum effusum* (5, 67%), *Themeda triandra* (3, 67%), *Alloteropsis semialata* (2, 33%), *Aristida queenslandica* var. *dissimilis* (10, 33%), *Aristida spuria* (2, 33%), *Arundinella nepalensis* (24, 33%), *Axonopus fissifolius** (10, 33%), *Capillipedium spicigerum* (3, 33%), *Dichanthium sericeum* (33%), *Digitaria parviflora* (5, 33%), *Eragrostis leptostachya* (20, 33%), *Fimbristylis depauperata* (10, 33%), *Fuirena ciliaris* (1, 33%), *Imperata cylindrica* (10, 33%), *Melinis repens** (20, 33%), *Paspalidium distans* (5, 33%), *Paspalum scrobiculatum* (2, 33%), *Rhynchospora heterochaeta* (5, 33%), *Scleria tricuspidata* (10, 33%)

FORBS: *Cheilanthes sieberi* (67%), *Cyanthillium cinereum* (67%), *Eustrephus latifolius* (1, 67%), *Adiantum hispidulum* (33%), *Bidens pilosa** (33%), *Brachyscome microcarpa* (33%), *Cheilanthes distans* (33%), *Conyza sumatrensis** (33%), *Crassocephalum crepidioides** (33%), *Crotalaria montana* (33%), *Dianella brevipedunculata* (33%), *Dichondra repens* (33%), *Emilia sonchifolia** (33%), *Galactia tenuiflora* (33%), *Glycine clandestina* (33%), *Glycine tabacina* (33%), *Gomphocarpus physocarpus** (33%), *Goodenia rotundifolia* (33%), *Hardenbergia violacea* (33%), *Hibbertia linearis* var. *obtusifolia* (33%), *Hybanthus stellarioides* (33%), *Hypoxis hygrometrica* var. *villosisepala* (33%), *Lindernia crustacea* (33%), *Lomandra elongata* (33%), *Lomandra filiformis* (2, 33%), *Mentha diemenica* (33%), *Murdannia graminea* (33%), *Myoporum montanum* (33%), *Persoonia sericea* (33%), *Phyllanthus indet.* (33%), *Pterocaulon redolens* (33%), *Solanum stelligerum* (33%), *Sonchus oleraceus** (33%), *Verbena rigida** (33%), *Wahlenbergia gracilis* (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 portuensis or E. acmenoides, Corymbia trachyphloia subsp. trachyphloia woodland on Mesozoic to Proterozoic igneous rocks


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 63,466 55,830 88%

Species recorded: Total: 47; woody: 20; ground: 27; Avg. spp./site: 19.0; std dev.: 0.0, 3 site(s)

Basal area: Avg./site: 17.3 m²/ha, range: 17.0 - 18 m²/ha, std. deviation: 0 m²/ha, 3 site(s)

Structural formation: Woodland: 67%; open-forest: 33%, 3 site(s)

Representative sites: 13893, 14042, 14075.

Stratum: T1

Height avg. = 17.7m, range 15-21m, 3 sites

Crown cover avg. = 48.3%, range 40.0-60.0%, 3 sites

Stem density/ha avg. = 200, 1 site

Dominant species (relative cover, frequency): Eucalyptus acmenoides (83, 33%), Corymbia trachyphloia subsp. trachyphloia (64, 67%), Eucalyptus portuensis (25, 67%), Corymbia intermedia (11, 67%), Eucalyptus crebra (6, 67%)

Frequent species (cover, frequency): Corymbia intermedia (7, 67%), Corymbia trachyphloia subsp. trachyphloia (31, 67%), Eucalyptus crebra (3, 67%), Eucalyptus portuensis (13, 67%), Eucalyptus acmenoides (38, 33%), Eucalyptus exserta (1, 33%), Eucalyptus latisinensis (1, 33%), Eucalyptus tereticornis (1, 33%)

Stratum: T2

Height avg. = 6.0m, 1 site

Crown cover avg. = 10.0%, 1 site

Dominant species (relative cover, frequency): Banksia integrifolia (56, 33%), Allocasuarina littoralis (44, 33%)

Frequent species (cover, frequency): Allocasuarina littoralis (4, 33%), Banksia integrifolia (5, 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. = 3.2m, range 2-4.5m, 3 sites

Crown cover avg. = 12.7%, range 5.0-18.0%, 3 sites

Stem density/ha avg. = 1280, 1 site

Dominant species (relative cover, frequency): *Acacia disparrima* subsp. *disparrima* (48, 67%), *Xylomelum benthamii* (47, 33%), *Banksia integrifolia* (47, 33%), *Lophostemon confertus* (32, 100%), *Grevillea banksii* (2, 67%)

Frequent species (cover, frequency): *Lophostemon confertus* (6, 100%), *Acacia disparrima* subsp. *disparrima* (2, 67%), *Acacia leiocalyx* (67%), *Acacia leptocarpa* (67%), *Alphitonia excelsa* (67%), *Grevillea banksii* (67%), *Acacia flavescens* (33%), *Acacia leiocalyx* subsp. *herveyensis* (33%), *Banksia integrifolia* (5, 33%), *Corymbia trachyphloia* subsp. *trachyphloia* (33%), *Eucalyptus moluccana* (33%), *Xylomelum benthamii* (5, 33%)

Stratum: G

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

PFC avg. = 38.3%, range 25-60%, 3 sites

Dominant species (relative cover, frequency): *Themeda triandra* (54, 100%), *Eremochloa bimaculata* (46, 67%), *Imperata cylindrica* (8, 33%), *Sarga leiocladum* (8, 33%), *Xanthorrhoea latifolia* (8, 33%)

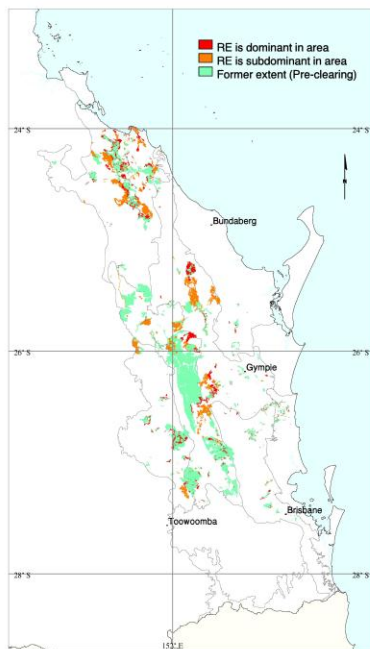
Frequent species (cover, frequency): GRAMINOIDS: *Themeda triandra* (23, 100%), *Eremochloa bimaculata* (14, 67%), *Aristida queenslandica* (33%), *Cymbopogon refractus* (33%), *Entolasia stricta* (1, 33%), *Eragrostis brownii* (1, 33%), *Eriachne pallescens* (33%), *Imperata cylindrica* (2, 33%), *Oplismenus aemulus* (33%), *Sarga leiocladum* (2, 33%)

FORBS: *Desmodium rhytidophyllum* (100%), *Cyanthillium cinereum* (67%), *Glycine clandestina* (67%), *Xanthorrhoea johnsonii* (3, 67%), *Brunoniella australis* (33%), *Cheilanthes sieberi* (33%), *Dianella rara* (33%), *Eremophila debilis* (33%), *Eustrephus latifolius* (33%), *Flemingia parviflora* (33%), *Galactia tenuiflora* (33%), *Gompholobium pinnatum* (33%), *Hybanthus stellarioides* (33%), *Oxalis* indet. (33%), *Passiflora suberosa** (33%), *Phyllanthus virgatus* (33%), *Xanthorrhoea latifolia* (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 tereticornis, Corymbia intermedia, E. crebra +/- Lophostemon suaveolens woodland on Mesozoic to Proterozoic igneous rocks


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 231,630 51,406 22%

Species recorded: Total: 58; woody: 21; ground: 38; Average species per site and standard deviation not available

Basal area: Avg./site: 14.7 m²/ha, range: 10.0 - 25 m²/ha, std. deviation: 6 m²/ha, 5 site(s)

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

Representative sites: 13675, 13891, 14439, 14615, 15014.

Stratum: T1

Height avg. = 22.2m, range 18-26m, 5 sites

Crown cover avg. = 31.4%, range 12.0-55.0%, 5 sites

Dominant species (relative cover, frequency): Eucalyptus tereticornis (60, 100%), Corymbia intermedia (24, 100%), Eucalyptus crebra (20, 60%), Corymbia tessellaris (6, 40%)

Frequent species (cover, frequency): Corymbia intermedia (7, 100%), Eucalyptus tereticornis (20, 100%), Eucalyptus crebra (4, 60%), Corymbia tessellaris (2, 40%), Eucalyptus propinqua (2, 20%)

Stratum: T2

Height avg. = 12.3m, range 8-17m, 4 sites

Crown cover avg. = 7.0%, range 3.0-12.0%, 4 sites

Dominant species (relative cover, frequency): Lophostemon suaveolens (56, 60%)

Frequent species (cover, frequency): Lophostemon suaveolens (3, 60%), Acacia leiocalyx (6, 20%), Alphitonia excelsa (4, 20%), Eucalyptus exserta (4, 20%), Melaleuca quinquenervia (2, 20%), Petalostigma pubescens (4, 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. = 2.9m, range 2-4m, 5 sites

Crown cover avg. = 4.8%, range 2.0-10.0%, 5 sites

Dominant species (relative cover, frequency): *Lophostemon suaveolens* (51, 40%), *Acacia disparrima* subsp. *disparrima* (33, 40%), *Acacia leiocalyx* (25, 40%), *Alphitonia excelsa* (25, 60%)

Frequent species (cover, frequency): *Alphitonia excelsa* (2, 60%), *Acacia disparrima* subsp. *disparrima* (2, 40%), *Acacia leiocalyx* (2, 40%), *Lophostemon suaveolens* (1, 40%), *Acacia melanoxylon* (2, 20%), *Allocastrum torulosa* (3, 20%), *Baccharis halimifolia** (2, 20%), *Breynia oblongifolia* (20%), *Glochidion ferdinandi* (1, 20%), *Glochidion sumatranum* (2, 20%), *Jacksonia scoparia* (1, 20%), *Lantana camara** (1, 20%), *Melaleuca quinquenervia* (2, 20%), *Solanum stelligerum* (20%)

Stratum: G

Height avg. = 0.7m, range 0.5-0.8m, 5 sites

PFC avg. = 50.0%, range 30-90%, 5 sites

Dominant species (relative cover, frequency): *Heteropogon contortus* (52, 40%), *Imperata cylindrica* (32, 80%), *Arundinella nepalensis* (28, 40%), *Themeda triandra* (25, 40%), *Lobelia purpurascens* (1, 40%)

Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (13, 80%), *Arundinella nepalensis* (10, 40%), *Heteropogon contortus* (36, 40%), *Themeda triandra* (19, 40%), *Cymbopogon refractus* (4, 20%), *Digitaria indet.* (1, 20%), *Eragrostis indet.* (9, 20%), *Eremochloa bimaculata* (20, 20%), *Juncus indet.* (20%), *Melinis repens** (20%), *Panicum effusum* (20%)

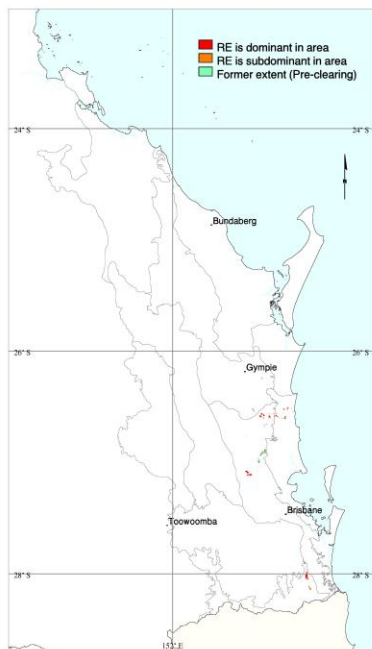
FORBS: *Emilia sonchifolia** (40%), *Lobelia purpurascens* (1, 40%), *Aristolochia pubera* (20%), *Brunoniella acaulis* (20%), *Centella asiatica* (1, 20%), *Cheilanthes sieberi* (20%), *Cyanthillium cinereum* (1, 20%), *Desmodium heterocarpon* var. *heterocarpon* (9, 20%), *Desmodium rhytidophyllum* (20%), *Dianella rara* (20%), *Eustrephus latifolius* (20%), *Evolvulus alsinoides* (20%), *Glochidion lobocarpum* (5, 20%), *Glycine clandestina* (20%), *Gomphocarpus physocarpus** (20%), *Hybanthus stellarioides* (20%), *Hydrocotyle tripartita* (1, 20%), *Hypericum gramineum* (1, 20%), *Hypochaeris radicata** (20%), *Lomandra confertifolia* subsp. *pallida* (4, 20%), *Lomandra longifolia* (1, 20%), *Lophostemon suaveolens* (4, 20%), *Oxalis perennans* (20%), *Passiflora suberosa** (20%), *Pimelea linifolia* (20%), *Pteridium esculentum* (20%), *Stylidium debile* (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 racemosa subsp. racemosa, Lophostemon confertus, Eucalyptus acmenoides open-forest usually on rocky near coastal areas on Mesozoic to Proterozoic igneous rocks



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 4,964 3,052 61%

Species recorded: Total: 90; woody: 27; ground: 65; Avg. spp./site: 39.3; std dev.: 5.4, 3 site(s)

Basal area: Avg./site: 24.3 m²/ha, range: 18.0 - 36 m²/ha, std. deviation: 8 m²/ha, 3 site(s)

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

Representative sites: 16420, 16422, 19830.

Stratum: T1

Height avg. = 16.3m, range 14-20m, 3 sites

Crown cover avg. = 50.0%, range 20.0-70.0%, 3 sites

Stem density/ha avg. = 800, range 520-1280, 3 sites

Dominant species (relative cover, frequency): Eucalyptus carnea (35, 33%), Eucalyptus racemosa subsp. racemosa (30, 67%), Lophostemon confertus (29, 67%), Eucalyptus microcorys (23, 33%), Eucalyptus fusiformis (20, 33%)

Frequent species (cover, frequency): Eucalyptus acmenoides (12, 67%), Eucalyptus racemosa subsp. racemosa (25, 67%), Eucalyptus tindaliae (6, 67%), Lophostemon confertus (21, 67%), Corymbia gummifera (4, 33%), Corymbia intermedia (10, 33%), Corymbia trachyphloia subsp. trachyphloia (5, 33%), Eucalyptus carnea (7, 33%), Eucalyptus fusiformis (4, 33%), Eucalyptus microcorys (20, 33%), Syncarpia glomulifera (3, 33%)

Stratum: T2

Height avg. = 7.0m, range 6-8m, 2 sites

Crown cover avg. = 12.0%, range 4.0-20.0%, 2 sites

Stem density/ha avg. = 747, range 533-960, 2 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (68, 33%), Corymbia gummifera (48, 33%), Syncarpia glomulifera (24, 33%), Eucalyptus carnea (24, 33%), Lophostemon confertus (14, 33%)

Frequent species (cover, frequency): Allocasuarina littoralis (15, 33%), Corymbia gummifera (2, 33%), Eucalyptus acmenoides (2, 33%), Eucalyptus carnea (1, 33%), Eucalyptus fusiformis (33%), Eucalyptus microcorys (2, 33%), Eucalyptus resinifera (33%), Lophostemon confertus (3, 33%), Syncarpia glomulifera (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

Stratum: S1

Height avg. = 2.0m, range 2-2m, 3 sites

Crown cover avg. = 3.7%, range 2.0-5.0%, 3 sites

Stem density/ha avg. = 497, range 60-933, 2 sites

Dominant species (relative cover, frequency): *Pultenaea villosa* (38, 33%), *Eucalyptus carnea* (38, 33%), *Lophostemon confertus* (25, 33%), *Hakea florulenta* (19, 33%), *Syncarpia glomulifera* (13, 67%)

Frequent species (cover, frequency): *Hibiscus divaricatus* (1, 67%), *Syncarpia glomulifera* (1, 67%), *Acacia melanoxylon* (1, 33%), *Acacia penninervis* (1, 33%), *Allocasuarina torulosa* (1, 33%), *Alphitonia excelsa* (1, 33%), *Banksia integrifolia* (1, 33%), *Breynia oblongifolia* (1, 33%), *Eucalyptus carnea* (2, 33%), *Glochidion ferdinandi* (1, 33%), *Hakea florulenta* (1, 33%), *Jacksonia scoparia* (1, 33%), *Lophostemon confertus* (1, 33%), *Notelaea ovata* (1, 33%), *Persoonia media* (33%), *Pultenaea villosa* (2, 33%), *Schefflera actinophylla* (1, 33%)

Stratum: G

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

PFC avg. = 33.0%, range 12-60%, 3 sites

Dominant species (relative cover, frequency): *Themeda triandra* (33, 100%), *Xanthorrhoea latifolia* (22, 67%), *Lomandra confertifolia* subsp. *pallida* (21, 33%), *Lomandra laxa* (21, 33%), *Pteridium esculentum* (6, 67%)

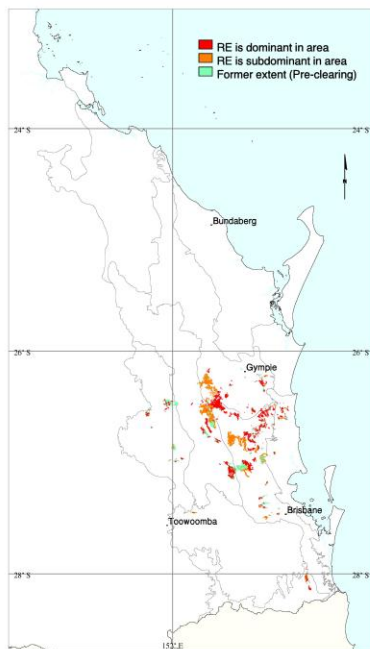
Frequent species (cover, frequency): GRAMINOIDS: *Entolasia stricta* (1, 100%), *Imperata cylindrica* (2, 100%), *Lepidosperma laterale* (1, 100%), *Themeda triandra* (14, 100%), *Cymbopogon refractus* (67%), *Alloteropsis semialata* (1, 33%), *Aristida calycina* (33%), *Digitaria parviflora* (33%), *Eremochloa bimaculata* (1, 33%), *Fimbristylis dichotoma* (1, 33%), *Ottochloa nodosa* (1, 33%), *Panicum effusum* (33%)

FORBS: *Dianella caerulea* (100%), *Billardiera scandens* (67%), *Desmodium rhytidophyllum* (67%), *Glycine clandestina* (67%), *Hardenbergia violacea* (1, 67%), *Hibbertia linearis* var. *obtusifolia* (67%), *Hybanthus stellarioides* (1, 67%), *Lomandra multiflora* subsp. *multiflora* (1, 67%), *Pteridium esculentum* (4, 67%), *Xanthorrhoea latifolia* (15, 67%), *Acacia maidenii* (33%), *Acrotriche aggregata* (33%), *Allocasuarina torulosa* (33%), *Blechnum cartilagineum* (1, 33%), *Brunoniella australis* (1, 33%), *Cassytha glabella* (1, 33%), *Cheilanthes sieberi* subsp. *sieberi* (33%), *Clematicissus opaca* (1, 33%), *Curculigo ensifolia* (1, 33%), *Dendrophthoe glabrescens* (1, 33%), *Denhamia celastroides* (1, 33%), *Dipodium variegatum* (1, 33%), *Doodia heterophylla* (1, 33%), *Eustrephus latifolius* (1, 33%), *Geitonoplesium cymosum* (1, 33%), *Geodorum densiflorum* (1, 33%), *Goodenia* sp. (Mt Castletower M.D.Crisp 2753) (1, 33%), *Hibbertia aspera* (1, 33%), *Hibbertia scandens* (1, 33%), *Hibbertia vestita* (1, 33%), *Lindsaea microphylla* (33%), *Lomandra confertifolia* subsp. *pallida* (3, 33%), *Lomandra laxa* (3, 33%), *Lomandra longifolia* (1, 33%), *Lomatia silaifolia* (33%), *Marsdenia fraseri* (1, 33%), *Monotoca scoparia* (33%), *Notelaea ovata* (33%), *Pandorea pandorana* (33%), *Parsonsia straminea* (1, 33%), *Persoonia sericea* (33%), *Pimelea linifolia* (1, 33%), *Platylobium formosum* (2, 33%), *Plectranthus parviflorus* (1, 33%), *Pomaderris canescens* (1, 33%), *Pomax umbellata* (33%), *Pseuderanthemum variabile* (1, 33%), *Sigesbeckia orientalis* (1, 33%), *Smilax australis* (1, 33%), *Smilax glycyphylla* (1, 33%), *Stephania japonica* (1, 33%), *Viola hederacea* (1, 33%), *Xanthorrhoea macronema* (33%)

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

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

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

Corymbia intermedia +/- Eucalyptus propinqua, E. siderophloia, E. microcorys, Lophostemon confertus open-forest on Mesozoic to Proterozoic igneous rocks


Pre-clearing area (ha), remnant area (ha) and per cent remaining: 75,355 55,134 73%

Species recorded: Total: 144; woody: 45; ground: 111; Avg. spp./site: 45.7; std dev.: 13.5, 6 site(s)

Basal area: Avg./site: 26.7 m²/ha, range: 19.0 - 37 m²/ha, std. deviation: 6 m²/ha, 6 site(s)

Structural formation: Woodland: 33%; open-forest: 33%; closed-forest: 33%, 6 site(s)

Representative sites: 16421, 16474, 19845, 40869, 40872, 40875.

Stratum: T1

Height avg. = 21.8m, range 18-26m, 6 sites

Crown cover avg. = 68.0%, range 45.0-95.0%, 6 sites

Stem density/ha avg. = 390, range 240-660, 6 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (27, 83%), *Eucalyptus propinqua* (24, 83%), *Corymbia intermedia* (23, 100%), *Eucalyptus acmenoides* (19, 50%), *Eucalyptus siderophloia* (15, 50%)

Frequent species (cover, frequency): *Corymbia intermedia* (17, 100%), *Eucalyptus microcorys* (10, 83%), *Eucalyptus propinqua* (16, 83%), *Lophostemon confertus* (18, 83%), *Eucalyptus acmenoides* (11, 50%), *Eucalyptus siderophloia* (10, 50%), *Eucalyptus biturbinata* (1, 17%), *Eucalyptus carnea* (24, 17%), *Eucalyptus tereticornis* (3, 17%), *Lophostemon suaveolens* (1, 17%)

Stratum: T2

Height avg. = 9.8m, range 8-14m, 6 sites

Crown cover avg. = 40.3%, range 5.0-80.0%, 6 sites

Stem density/ha avg. = 813, range 420-1600, 6 sites

Dominant species (relative cover, frequency): *Allocasuarina littoralis* (43, 33%), *Allocasuarina torulosa* (33, 50%), *Lophostemon confertus* (29, 50%), *Eucalyptus propinqua* (26, 50%), *Lophostemon suaveolens* (16, 33%)

Frequent species (cover, frequency): *Corymbia intermedia* (4, 67%), *Eucalyptus microcorys* (5, 67%), *Allocasuarina torulosa* (12, 50%), *Eucalyptus propinqua* (5, 50%), *Lophostemon confertus* (18, 50%), *Allocasuarina littoralis* (13, 33%), *Angophora subvelutina* (5, 33%), *Eucalyptus acmenoides* (2, 33%), *Lophostemon suaveolens* (5, 33%), *Melaleuca quinquenervia* (1, 33%), *Acacia disparrima* subsp. *disparrima* (5, 17%), *Acacia penninervis* var. *penninervis* (5, 17%), *Banksia integrifolia* (2, 17%), *Cryptocarya microneura* (15, 17%), *Eucalyptus tereticornis* (2, 17%), *Melaleuca salicina* (20, 17%), *Polyscias elegans* (5, 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: T3

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

Crown cover avg. = 8.5%, range 5.0-12.0%, 2 sites

Stem density/ha avg. = 400, range 320-480, 2 sites

Dominant species (relative cover, frequency): *Acacia disparrima* subsp. *disparrima* (17, 33%)

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (2, 33%), *Acacia penninervis* (1, 17%), *Acacia penninervis* var. *penninervis* (1, 17%), *Allocasuarina littoralis* (1, 17%), *Corymbia intermedia* (1, 17%), *Guioa semiglaucula* (1, 17%), *Lophostemon confertus* (5, 17%), *Lophostemon suaveolens* (1, 17%), *Melaleuca quinquenervia* (1, 17%), *Melaleuca salicina* (3, 17%), *Polyscias elegans* (1, 17%)

Stratum: S1

Height avg. = 1.8m, range 1.5-2m, 6 sites

Crown cover avg. = 6.2%, range 1.0-11.0%, 6 sites

Stem density/ha avg. = 1227, range 80-4200, 6 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (41, 67%), *Alphitonia excelsa* (24, 83%), *Allocasuarina torulosa* (23, 33%), *Lantana camara** (20, 50%), *Clerodendrum floribundum* (13, 33%)

Frequent species (cover, frequency): *Alphitonia excelsa* (2, 83%), *Lophostemon confertus* (2, 67%), *Lantana camara** (1, 50%), *Allocasuarina torulosa* (1, 33%), *Banksia integrifolia* (1, 33%), *Clerodendrum floribundum* (2, 33%), *Hovea acutifolia* (1, 33%), *Rhodamnia rubescens* (33%), *Acacia disparrima* subsp. *disparrima* (1, 17%), *Acacia melanoxylon* (2, 17%), *Acacia penninervis* var. *penninervis* (1, 17%), *Allocasuarina littoralis* (1, 17%), *Alpinia caerulea* (1, 17%), *Astrotricha latifolia* (17%), *Callicarpa pedunculata* (17%), *Denhamia celastroides* (17%), *Eucalyptus carnea* (17%), *Eucalyptus microcorys* (17%), *Eucalyptus propinqua* (17%), *Eucalyptus siderophloia* (17%), *Eupomatia laurina* (1, 17%), *Glochidion sumatranum* (1, 17%), *Jagera pseudorhus* (1, 17%), *Ligustrum sinense** (1, 17%), *Melaleuca quinquenervia* (1, 17%), *Melaleuca salicina* (17%), *Melastoma malabathricum* subsp. *malabathricum* (1, 17%), *Notelaea longifolia* (1, 17%), *Opercularia aspera* (17%), *Pittosporum undulatum* (17%), *Polyscias elegans* (3, 17%), *Psychotria daphnoides* (17%), *Psychotria loniceroides* (1, 17%), *Schefflera actinophylla* (1, 17%), *Trochocarpa laurina* (3, 17%), *Zieria smithii* (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: G

Height avg. = 0.5m, range 0.4-0.7m, 6 sites

PFC avg. = 40.8%, range 15-65%, 6 sites

Dominant species (relative cover, frequency): *Imperata cylindrica* (31, 100%), *Themeda triandra* (29, 50%), *Blechnum cartilagineum* (17, 33%), *Oplismenus imbecillis* (17, 33%), *Doodia aspera* (17, 33%)

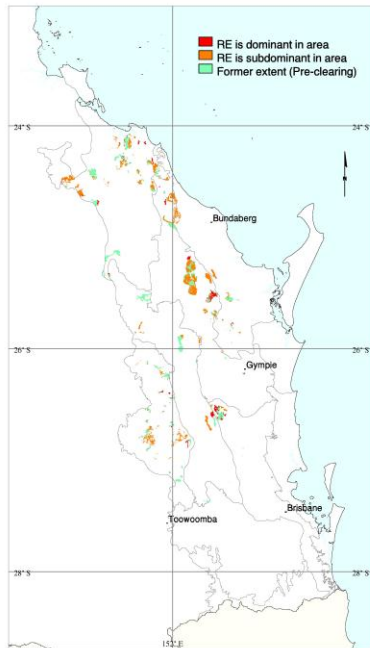
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (14, 100%), *Entolasia stricta* (2, 67%), *Oplismenus aemulus* (50%), *Panicum effusum* (1, 50%), *Sporobolus laxus* (1, 50%), *Themeda triandra* (17, 50%), *Cyperus laevis* (33%), *Digitaria parviflora* (33%), *Lepidosperma laterale* (1, 33%), *Microlaena stipoides* (33%), *Oplismenus imbecillis* (2, 33%), *Ottobachloa gracillima* (33%), *Alloteropsis semialata* (1, 17%), *Cymbopogon refractus* (1, 17%), *Melinis minutiflora** (2, 17%), *Ottobachloa nodosa* (5, 17%), *Paspalum scrobiculatum* (1, 17%), *Poa indet.* (6, 17%)

FORBS: *Lomandra longifolia* (1, 100%), *Cyanthillium cinereum* (83%), *Desmodium rhytidophyllum* (83%), *Smilax australis* (1, 83%), *Desmodium gunnii* (67%), *Dianella caerulea* (67%), *Eustrephus latifolius* (67%), *Pteridium esculentum* (3, 67%), *Bidens pilosa** (50%), *Breynia oblongifolia* (50%), *Hybanthus stellarioides* (50%), *Lobelia purpurascens* (50%), *Astrotricha latifolia* (33%), *Blechnum cartilagineum* (5, 33%), *Calochlaena dubia* (1, 33%), *Centratherum riparium* (33%), *Cheilanthes tenuifolia* (1, 33%), *Cissus hypoglauca* (33%), *Dioscorea transversa* (33%), *Doodia aspera* (2, 33%), *Geitonoplesium cymosum* (33%), *Geranium solanderi* (33%), *Glycine clandestina* (33%), *Hibbertia stricta* (33%), *Lantana camara** (33%), *Myrsine variabilis* (33%), *Phyllanthus virgatus* (33%), *Plectranthus parviflorus* (1, 33%), *Rubus moluccanus* (33%), *Rubus parvifolius* (1, 33%), *Sigesbeckia orientalis* (33%), *Viola hederacea* (33%), *Acacia maidenii* (17%), *Acacia penninervis* var. *penninervis* (1, 17%), *Adiantum hispidulum* (2, 17%), *Ageratum houstonianum** (17%), *Anisomeles malabarica* (17%), *Archidendron grandiflorum* (17%), *Austrosteenisia blackii* (17%), *Baccharis halimifolia** (17%), *Billardiera scandens* (17%), *Cassytha glabella* (2, 17%), *Cayratia clematidea* (17%), *Centella asiatica* (17%), *Cissus antarctica* (17%), *Conyza bonariensis** (17%), *Cordyline congesta* (17%), *Crassocephalum crepidioides** (17%), *Cryptocarya microneura* (17%), *Davallia pyxidata* (17%), *Denhamia celastroides* (17%), *Doodia caudata* (17%), *Doodia heterophylla* (1, 17%), *Flagellaria indica* (1, 17%), *Goodenia rotundifolia* (2, 17%), *Guioa semiglaucula* (17%), *Gymnostachys anceps* (17%), *Hardenbergia violacea* (17%), *Hibbertia dentata* (17%), *Hibbertia scandens* (1, 17%), *Hibbertia vestita* (1, 17%), *Hovea acutifolia* (17%), *Hydrocotyle acutiloba* (17%), *Indigofera australis* (17%), *Jagera pseudorhus* (17%), *Kennedia rubicunda* (1, 17%), *Lobelia trigonocaulis* (17%), *Lomandra confertifolia* subsp. *pallida* (1, 17%), *Lomandra laxa* (1, 17%), *Lomandra multiflora* (17%), *Lomandra multiflora* subsp. *multiflora* (1, 17%), *Marsdenia fraseri* (1, 17%), *Melastoma malabathricum* subsp. *malabathricum* (17%), *Melodinus australis* (1, 17%), *Myrsine angusta* (17%), *Ochna serrulata** (17%), *Oxalis rubens* (1, 17%), *Parsonsia straminea* (1, 17%), *Passiflora foetida** (1, 17%), *Platylobium formosum* (17%), *Polymeria calycina* (17%), *Polyscias sambucifolia* (17%), *Pseuderanthemum variabile* (17%), *Pterostylis nutans* (17%), *Rhodamnia rubescens* (1, 17%), *Rubus moluccanus* var. *trilobus* (17%), *Senecio pinnatifolius* (17%), *Trochocarpa laurina* (17%), *Verbena rigida** (17%), *Viola banksii* (3, 17%), *Xanthorrhoea latifolia* (1, 17%), *Zieria minutiflora* (17%), *Zieria smithii* (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 moluccana open-forest on Mesozoic to Proterozoic igneous rocks

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 54,529 17,251 32%

Species recorded: Total: 85; woody: 19; ground: 68; Avg. spp./site: 41.5; std dev.: 11.5, 3 site(s)

Basal area: Avg./site: 16.0 m²/ha, range: 14.0 - 17 m²/ha, std. deviation: 1 m²/ha, 3 site(s)

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

Representative sites: 13889, 14054, 40451.

Stratum: T1

Height avg. = 25.0m, range 23-28m, 3 sites

Crown cover avg. = 62.3%, range 50.0-72.0%, 3 sites

Stem density/ha avg. = 250, range 120-380, 2 sites

Dominant species (relative cover, frequency): Eucalyptus moluccana (78, 100%), Corymbia citriodora subsp. variegata (31, 33%), Eucalyptus tereticornis (20, 33%), Eucalyptus crebra (7, 67%)

Frequent species (cover, frequency): Eucalyptus moluccana (50, 100%), Eucalyptus crebra (4, 67%), Amyema bifurcata (33%), Corymbia citriodora subsp. variegata (20, 33%), Eucalyptus tereticornis (10, 33%)

Stratum: T2

Height avg. = 15.7m, range 15-17m, 3 sites

Crown cover avg. = 11.0%, range 5.0-23.0%, 3 sites

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

Dominant species (relative cover, frequency): Lophostemon suaveolens (100, 33%), Eucalyptus moluccana (100, 33%), Eucalyptus exserta (60, 33%), Angophora leiocarpa (40, 33%)

Frequent species (cover, frequency): Angophora leiocarpa (2, 33%), Eucalyptus exserta (3, 33%), Eucalyptus moluccana (23, 33%), Lophostemon suaveolens (5, 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: T3

Height avg. = 8.0m, 1 site

Crown cover avg. = 10.0%, 1 site

Stem density/ha avg. = 180, 1 site

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

Frequent species (cover, frequency): Eucalyptus moluccana (10, 33%)

Stratum: S1

Height avg. = 2.7m, range 2-4m, 3 sites

Crown cover avg. = 11.3%, range 2.0-22.0%, 3 sites

Stem density/ha avg. = 440, 1 site

Dominant species (relative cover, frequency): Acacia leiocalyx (59, 100%), Eucalyptus moluccana (45, 33%), Cyclophyllum coprosmoides (23, 33%), Passiflora suberosa (14, 33%), Jacksonia scoparia (11, 33%)*

Frequent species (cover, frequency): Acacia leiocalyx (4, 100%), Alphitonia excelsa (100%), Acacia disparrima subsp. disparrima (33%), Breyenia oblongifolia (33%), Corymbia tessellaris (33%), Cyclophyllum coprosmoides (5, 33%), Cymbidium canaliculatum (33%), Eucalyptus moluccana (10, 33%), Jacksonia scoparia (33%), Lantana camara (33%), Maytenus disperma (33%), Passiflora suberosa* (3, 33%)*

Stratum: G

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

PFC avg. = 60.0%, range 35-100%, 3 sites

Dominant species (relative cover, frequency): Eremochloa bimaculata (81, 67%), Aristida gracilipes (25, 33%), Passiflora suberosa (13, 33%), Solanum gympiense (13, 33%), Imperata cylindrica (12, 67%)*

Frequent species (cover, frequency): GRAMINOIDS: Eremochloa bimaculata (32, 67%), Imperata cylindrica (6, 67%), Aristida gracilipes (30, 33%), Aristida queenslandica (33%), Arundinella nepalensis (3, 33%), Bothriochloa bladhii (2, 33%), Bothriochloa decipiens var. decipiens (2, 33%), Capillipedium spicigerum (3, 33%), Chloris ventricosa (33%), Chrysopogon sylvaticus (2, 33%), Cymbopogon refractus (33%), Cyperus concinnus (33%), Cyperus difformis (33%), Cyperus gracilis (33%), Cyperus indet. (33%), Enteropogon acicularis (33%), Enteropogon unispiceus (2, 33%), Entolasia stricta (33%), Eragrostis brownii (33%), Eragrostis leptostachya (10, 33%), Eragrostis spartinoides (2, 33%), Fimbristylis dichotoma (5, 33%), Leptochloa decipiens subsp. decipiens (3, 33%), Panicum effusum (33%), Panicum simile (5, 33%), Paspalidium distans (5, 33%), Sporobolus elongatus (33%), Sporobolus laxus (2, 33%)

FORBS: Brunoniella australis (67%), Cyathillium cinereum (67%), Eustrephus latifolius (1, 67%), Hybanthus stellarioides (67%), Bidens bipinnata (3, 33%), Carissa ovata (2, 33%), Centella asiatica (33%), Cheilanthes sieberi (33%), Clematicissus opaca (33%), Clerodendrum tomentosum (33%), Conyza sumatrensis* (33%), Crassocephalum crepidioides* (33%), Desmodium rhytidophyllum (33%), Dianella longifolia (33%), Eclipta prostrata (33%), Emilia sonchifolia* (33%), Eremophila debilis (33%), Evolvulus alsinoides (1, 33%), Galactia tenuiflora (33%), Glycine cyrtoloba (33%), Gomphocarpus physocarpus* (33%), Goodenia rotundifolia (33%), Hardenbergia violacea (33%), Lantana camara* (33%), Lobelia purpurascens (33%), Lomandra confertifolia subsp. pallida (33%), Lomandra multiflora subsp. multiflora (33%), Mecardonia procumbens* (1, 33%), Murdannia graminea (33%), Oxalis indet. (33%), Parsonsia straminea (33%), Passiflora suberosa* (15, 33%), Phyllanthus virgatus (33%), Plectranthus parviflorus (3, 33%), Polymeria calycina (33%), Pterocaulon sphacelatum (33%), Sida hackettiana (33%), Solanum gympiense (15, 33%), Spermacoce brachystema (33%), Xanthorrhoea johnsonii (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