



Regional Ecosystem Technical Descriptions

Technical descriptions provide a detailed description of the full range in structure and floristic composition of regional ecosystems (e.g. 8.2.7) and their component vegetation communities (e.g. 8.2.7a, 8.2.7b).

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

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

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

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

Field definitions

Description	Description of the species, structural formation and habitat of the vegetation community (this is not the Regulation description)
Area of pre-clearing regional ecosystem	The area of the regional ecosystem vegetation community before clearing in hectares
Area of remnant RE and percentage remaining	The area of the remnant regional ecosystem vegetation community in hectares and as a percentage of pre-clearing extent
Species recorded	Total number; number of woody species; number in the ground layer (some species can be both woody and occur in the ground layer); average number of species per site (using only sites where a completed species list was recorded); standard deviation; number of sites used to calculate the average species number.
Basal area	Site average, range and standard deviation (m ² /hectare)
Structural Formation	Percentage of sites by structural formation. For example: Woodland: 39%; open-forest: 39%; open-woodland: 22%, 23 site(s)
Representative CORVEG sites	Site (id) numbers used in the description
For each stratum present: <ul style="list-style-type: none"> Emergent (E) Canopy (T1), Sub-canopy (T2) and Low tree layers (T3) Shrub (S1) and Sub-shrub layers (S2) Ground (G) 	<ul style="list-style-type: none"> <i>Height</i> - average canopy height in metres, range in metres and number of sites values are based on. <i>Cover</i> - Average percentage canopy cover of the layer, range and number of sites values are based on. <i>Average stem density</i> (stems per hectare), range and number of sites values are based on.
Dominant species (relative cover, frequency):	Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum. For example: <i>Abutilon albescens</i> (78, 46%), means this species occurs in 46% of all sites and when it occurs comprises 78% of total cover (of the stratum)
Frequent species (cover, frequency):	Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. For example: <i>Abutilon albescens</i> (10, 46%), means this species occurs in 46% of all sites and when it occurs has a mean cover of 10% Ground layer species are listed as either graminoid or forbs. Naturalised species have an asterisk (*) after the scientific name. <i>indet.</i> after listed name = indeterminate species or genus



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Users should reference information contained in the technical descriptions as: Kemp, J. (ed.) (year*) Technical Descriptions of Regional Ecosystems of the Central Queensland Coast, (month, year*) (Queensland Herbarium, Department of Science, Information Technology, Innovation and the Arts: Brisbane). * Date shown in footnote of individual descriptions.

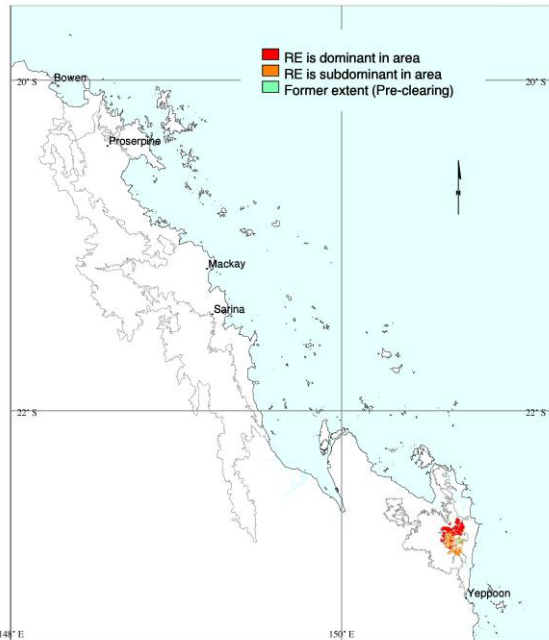
While every effort has been made to ensure the information presented is as reliable as possible, the State of Queensland accepts no liability and gives no assurance in respect of its accuracy and shall not be liable for any loss or damage arising from its use.

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

For more information, contact:

Jeanette Kemp, [Queensland Herbarium](#).

Eucalyptus latisinensis and/or Corymbia intermedia +/- Syncarpia glomulifera woodland on low rises in coastal plains



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 6,949 5,547 80%

Species recorded: Total: 73; woody: 35; ground: 46; Average species per site and standard deviation not available

Basal area: Not available

Structural formation: Unrecorded: 100%, 24 site(s)

Representative sites: 44175, 44176, 44178, 44181, 44182, 44187, 44234, 44237, 44238, 44249, 44250, 44251, 44305, 44306, 44308, 44309, 44398, 44401, 44402, 44403, 44410, 44412, 44414, 44415.

Stratum: E

Height avg. = 12.0m, 1 site

Frequent species (cover, frequency): Corymbia intermedia (2, 4%), Eucalyptus latisinensis (2, 4%)

Stratum: T1

Height avg. = 16.1m, range 9-24m, 24 sites

Dominant species (relative cover, frequency): Eucalyptus latisinensis (62, 96%), Syncarpia glomulifera (36, 42%), Corymbia intermedia (23, 42%), Eucalyptus crebra (21, 29%), Corymbia trachyphloia (12, 25%)

Frequent species (cover, frequency): Eucalyptus latisinensis (11, 96%), Corymbia intermedia (4, 42%), Syncarpia glomulifera (7, 42%), Eucalyptus crebra (4, 29%), Corymbia trachyphloia (2, 25%), Lophostemon suaveolens (1, 13%), Allocasuarina torulosa (5, 8%), Allocasuarina littoralis (10, 4%), Eucalyptus exserta (1, 4%), Eucalyptus platyphylla (1, 4%), Eucalyptus tereticornis (1, 4%), Melaleuca quinquenervia (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, (only comprehensive sites used for ground stratum).

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

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

Stratum: T2

Height avg. = 8.2m, range 5-14m, 23 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (66, 54%), Allocasuarina torulosa (48, 54%), Eucalyptus latisinensis (23, 25%), Syncarpia glomulifera (12, 33%), Grevillea banksii (11, 21%)

Frequent species (cover, frequency): Allocasuarina littoralis (17, 54%), Allocasuarina torulosa (11, 54%), Banksia integrifolia subsp. compar (2, 42%), Syncarpia glomulifera (3, 33%), Eucalyptus latisinensis (5, 25%), Grevillea banksii (2, 21%), Lophostemon suaveolens (3, 17%), Acacia crassa subsp. longicoma (10, 13%), Acacia flavescens (5, 13%), Lophostemon confertus (7, 13%), Melaleuca viridiflora var. viridiflora (2, 13%), Acacia leiocalyx (10, 8%), Corymbia trachyphloia (1, 8%), Alphitonia excelsa (4%), Commersonia bartramia (2, 4%), Corymbia intermedia (5, 4%), Cymbidium canaliculatum (4%), Eucalyptus crebra (2, 4%), Eucalyptus indet. (2, 4%), Melicope elleryana (4%), Planchonia careya (2, 4%)

Stratum: T3

Height avg. = 3.4m, range 2.5-4m, 4 sites

Frequent species (cover, frequency): Grevillea banksii (4, 17%), Allocasuarina littoralis (10, 8%), Allocasuarina torulosa (8, 8%), Banksia integrifolia subsp. compar (2, 8%), Melaleuca viridiflora var. viridiflora (5, 4%), Syncarpia glomulifera (5, 4%)

Stratum: S1

Height avg. = 2.0m, range 1.2-3.5m, 22 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (38, 42%), Acacia crassa subsp. longicoma (32, 25%), Allocasuarina torulosa (31, 50%), Eucalyptus indet. (28, 21%), Syncarpia glomulifera (25, 25%)

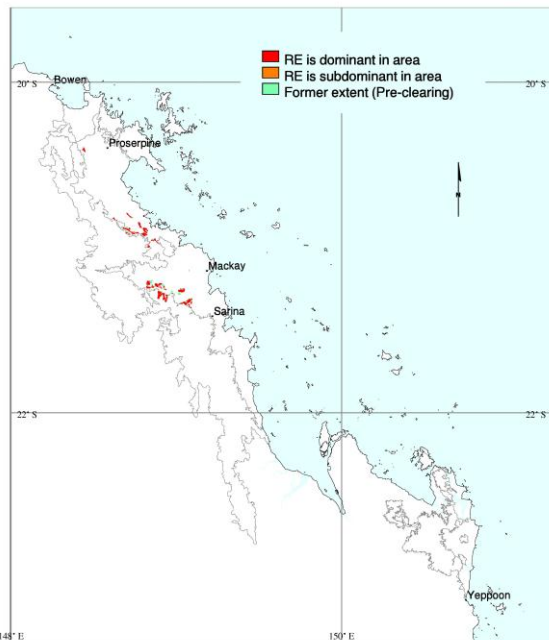
Frequent species (cover, frequency): Allocasuarina torulosa (5, 50%), Allocasuarina littoralis (10, 42%), Grevillea banksii (6, 38%), Acacia crassa subsp. longicoma (8, 25%), Banksia integrifolia subsp. compar (4, 25%), Syncarpia glomulifera (7, 25%), Eucalyptus indet. (8, 21%), Acacia leiocalyx (3, 17%), Banksia robur (16, 17%), Acacia flavescens (4, 13%), Lophostemon confertus (5, 13%), Melaleuca viridiflora var. viridiflora (6, 13%), Jagera pseudorhus var. pseudorhus (2, 8%), Planchonia careya (13, 8%), Acacia leptocarpa (2, 4%), Alphitonia excelsa (5, 4%), Comesperma oblongatum (2, 4%), Commersonia bartramia (5, 4%), Glochidion sumatranum (2, 4%), Hibiscus heterophyllus (2, 4%), Jacksonia scoparia (2, 4%), Livistona decora (5, 4%), Lophostemon suaveolens (5, 4%), Patersonia indet. (2, 4%), Pomaderris indet. (5, 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, (only comprehensive sites used for ground stratum).

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

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

Eucalyptus drepanophylla +/- E. platyphylla woodland on hills formed from metamorphosed sediments



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 10,078 5,620 56%

Species recorded: Total: 97; woody: 29; ground: 80; Avg. spp./site: 52.5; std dev.: 9.5, 2 site(s)

Basal area: Avg./site: 15.1 m²/ha, range: 5.3 - 25 m²/ha, std. deviation: 8 m²/ha, 3 site(s)

Structural formation: Open-forest: 100%, 3 site(s)

Representative sites: 19457, 34464, 36425.

Stratum: T1

Height avg. = 23.6m, range 21-27.7m, 3 sites
 Crown cover avg. = 67.0%, range 54.0-92.0%, 3 sites
 Stem density/ha avg. = 360, range 200-520, 2 sites

Dominant species (relative cover, frequency): Eucalyptus platyphylla (42, 67%), Eucalyptus drepanophylla (37, 100%), Corymbia clarksoniana (35, 100%)

Frequent species (cover, frequency): Corymbia clarksoniana (23, 100%), Eucalyptus drepanophylla (32, 100%), Eucalyptus platyphylla (35, 67%)

Stratum: T2

Height avg. = 10.3m, range 6-14m, 3 sites
 Crown cover avg. = 6.0%, range 0.0-10.0%, 3 sites
 Stem density/ha avg. = 143, range 67-220, 2 sites

Dominant species (relative cover, frequency): Planchonia careya (73, 33%), Eucalyptus drepanophylla (50, 33%), Eucalyptus platyphylla (49, 67%), Albizia procera (24, 33%), Corymbia clarksoniana (17, 100%)

Frequent species (cover, frequency): Corymbia clarksoniana (100%), Eucalyptus platyphylla (5, 67%), Albizia procera (2, 33%), Breynia oblongifolia (33%), Corymbia tessellaris (33%), Eucalyptus drepanophylla (33%), Ficus opposita (33%), Planchonia careya (6, 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, (only comprehensive sites used for ground stratum).

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

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Stratum: T3

Height avg. = 6.0m, 1 site

Crown cover avg. = 4.0%, 1 site

Stem density/ha avg. = 267, 1 site

Dominant species (relative cover, frequency): Erythrina vespertilio (96, 33%), Cycas media (2, 33%), Corymbia clarksoniana (2, 33%)

Frequent species (cover, frequency): Corymbia clarksoniana (33%), Cycas media (33%), Erythrina vespertilio (5, 33%)

Stratum: S1

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

Crown cover avg. = 13.5%, range 7.0-20.0%, 2 sites

Stem density/ha avg. = 5067, 1 site

Dominant species (relative cover, frequency): Cycas media subsp. media (40, 33%), Cycas media (37, 33%), Crotalaria pallida (23, 33%), Triumfetta rhomboidea (19, 33%), Ficus opposita (14, 33%)*

Frequent species (cover, frequency): Albizia procera (1, 67%), Glochidion apodogynum (67%), Lantana camara (1, 67%), Acacia holosericea (33%), Acacia spirorbis subsp. solandri (33%), Alphonsea excelsa (33%), Anisomeles malabarica (33%), Canarium australianum (33%), Corymbia clarksoniana (33%), Crotalaria pallida (5, 33%), Cycas media (8, 33%), Cycas media subsp. media (3, 33%), Erythrina vespertilio (33%), Eucalyptus drepanophylla (33%), Euroschinus falcatus var. falcatus (33%), Ficus opposita (3, 33%), Flemingia lineata (1, 33%), Jagera pseudorhus var. pseudorhus (33%), Mallotus philippensis (33%), Maytenus disperma (33%), Paraserianthes toona (33%), Phyllanthus virgatus (33%), Pittosporum ferrugineum (33%), Planchonia careya (1, 33%), Polyscias elegans (33%), Triumfetta rhomboidea* (4, 33%)*

Stratum: G

Height avg. = 1.2m, range 1-1.3m, 2 sites

PFC avg. = 62.5%, range 49-76%, 2 sites

Dominant species (relative cover, frequency): Mnesithea rottboellioides (28, 100%), Sorghum nitidum forma aristatum (25, 50%), Melinis minutiflora (11, 50%), Panicum effusum (8, 50%), Cycas media (8, 50%)*

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (1, 100%), Heteropogon triticeus (2, 100%), Megathyrsus maximus (100%), Mnesithea rottboellioides (18, 100%), Themeda triandra (2, 100%), Capillipedium spicigerum (50%), Chionachne cyathopoda (2, 50%), Chrysopogon fallax (50%), Cyperus cyperoides (50%), Cyperus fulvus (50%), Dichanthium indet. (2, 50%), Digitaria ramularis (50%), Fimbristylis indet. (50%), Hyparrhenia rufa* (50%), Melinis minutiflora* (8, 50%), Melinis repens* (1, 50%), Panicum effusum (4, 50%), Panicum simile (1, 50%), Paspalidium distans (1, 50%), Scleria brownii (50%), Scleria indet. (50%), Scleria mackaviensis (50%), Sehima nervosum (50%), Sorghum indet. (4, 50%), Sorghum nitidum forma aristatum (13, 50%), Urochloa subquadripara* (50%)*

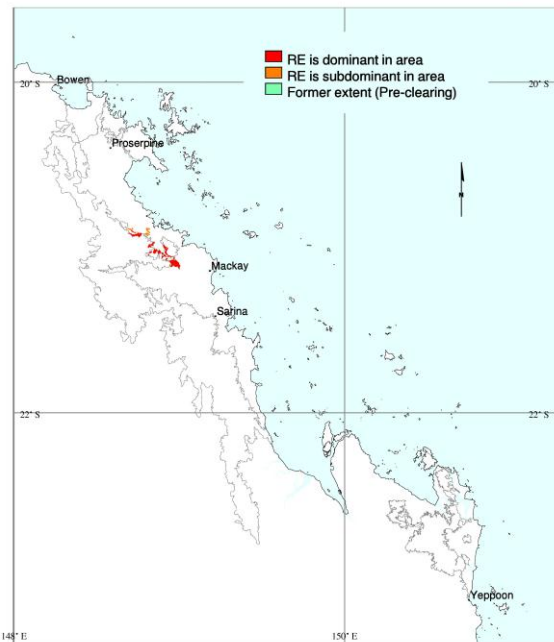
FORBS: Corymbia clarksoniana (2, 100%), Crotalaria pallida (100%), Cyanthillium cinereum (100%), Desmodium rhytidophyllum (1, 100%), Eucalyptus drepanophylla (1, 100%), Eustrephus latifolius (100%), Flemingia parviflora (100%), Galactia tenuiflora (6, 100%), Passiflora suberosa (2, 100%), Spermocoe indet. (100%), Stylosanthes guianensis* (2, 100%), Triumfetta rhomboidea* (2, 100%), Adiantum atroviride (50%), Ageratum conyzoides subsp. conyzoides* (50%), Ageratum houstonianum* (50%), Albizia procera (50%), Alphonsea excelsa (50%), Anisomeles malabarica (50%), Chamaecrista nomame var. nomame (50%), Commelina diffusa (1, 50%), Crotalaria goreensis* (50%), Crotalaria indet. (50%), Crotalaria juncea* (50%), Cycas media (6, 50%), Desmodium varians (2, 50%), Dianella caerulea (50%), Emilia sonchifolia* (50%), Evolvulus alsinoides var. decumbens (50%), Fabaceae indet. (1, 50%), Ficus opposita (50%), Glochidion apodogynum (1, 50%), Glycine tomentella (50%), Indigofera hirsuta (50%), Indigofera trifoliata (50%), Jasminum didymum (50%), Lantana camara* (50%), Lomandra indet. (50%), Melia azedarach (50%), Oxalis indet. (50%), Passiflora foetida* (50%), Phyllanthus virgatus (50%), Pycnospora lutescens (50%), Rhynchosia minima (50%), Sida cordifolia* (50%), Sida spinosa* (50%), Uraria lagopodioides (50%)*

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 and/or Eucalyptus portuensis and/or C. clarksoniana and/or E. platyphylla and/or E. drepanophylla open-forest on low hills on metamorphosed sediments (subregion 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 7,177 5,118 71%

Species recorded: Total: 116; woody: 35; ground: 83; Avg. spp./site: 53.0; std dev.: 14.8, 3 site(s)

Basal area: Avg./site: 15.7 m²/ha, range: 14.0 - 19 m²/ha, std. deviation: 2 m²/ha, 3 site(s)

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

Representative sites: 36530, 36864, 36865.

Stratum: T1

Height avg. = 22.9m, range 16.7-32m, 3 sites

Crown cover avg. = 46.3%, range 30.0-57.0%, 3 sites

Stem density/ha avg. = 102, range 40-200, 3 sites

Dominant species (relative cover, frequency): Eucalyptus exserta (51, 33%), Corymbia tessellaris (50, 33%), Eucalyptus tereticornis (50, 33%), Eucalyptus platyphylla (33, 67%), Corymbia clarksoniana (31, 67%)

Frequent species (cover, frequency): Corymbia intermedia (100%), Corymbia clarksoniana (13, 67%), Eucalyptus platyphylla (10, 67%), Corymbia tessellaris (26, 33%), Eucalyptus drepanophylla (12, 33%), Eucalyptus exserta (29, 33%), Eucalyptus tereticornis (26, 33%)

Stratum: T2

Height avg. = 15.0m, range 8-19m, 3 sites

Crown cover avg. = 43.7%, range 17.0-87.0%, 3 sites

Stem density/ha avg. = 631, range 520-733, 3 sites

Dominant species (relative cover, frequency): Corymbia intermedia (64, 100%), Lophostemon confertus (35, 33%), Eucalyptus drepanophylla (14, 67%), Lophostemon suaveolens (14, 33%), Acacia leptocarpa (9, 67%)

Frequent species (cover, frequency): Corymbia clarksoniana (100%), Corymbia intermedia (30, 100%), Acacia leptocarpa (2, 67%), Corymbia tessellaris (2, 67%), Eucalyptus drepanophylla (3, 67%), Drypetes deplanchei (33%), Eucalyptus exserta (33%), Eucalyptus platyphylla (33%), Eucalyptus tereticornis (33%), Euroschinus falcatus (33%), Lophostemon confertus (6, 33%), Lophostemon suaveolens (12, 33%), Macaranga involucrata var. mallotoides (33%), Melaleuca viridiflora var. viridiflora (3, 33%), Melia azedarach (33%), Rutaceae indet. (33%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 5.5m, range 4-7m, 2 sites

Crown cover avg. = 1.0%, range 0.0-2.0%, 2 sites

Stem density/ha avg. = 140, range 40-240, 2 sites

Dominant species (relative cover, frequency): *Planchonia careya* (83, 33%), *Persoonia falcata* (50, 33%), *Lophostemon confertus* (50, 33%), *Pandanus indet.* (3, 33%), *Lophostemon suaveolens* (3, 33%)

Frequent species (cover, frequency): *Banksia integrifolia subsp. compar* (33%), *Corymbia clarksoniana* (33%), *Corymbia intermedia* (33%), *Lophostemon confertus* (33%), *Lophostemon suaveolens* (33%), *Pandanus indet.* (33%), *Persoonia falcata* (33%), *Planchonia careya* (2, 33%)

Stratum: S1

Height avg. = 2.3m, range 1.9-2.7m, 2 sites

Crown cover avg. = 22.0%, range 0.0-61.0%, 3 sites

Stem density/ha avg. = 1271, range 40-3333, 3 sites

Dominant species (relative cover, frequency): *Hibiscus heterophyllus* (86, 33%), *Sida cordifolia** (82, 33%), *Persoonia falcata* (33, 33%), *Acacia leptocarpa* (18, 67%), *Cycas media subsp. media* (12, 100%)

Frequent species (cover, frequency): *Cycas media subsp. media* (100%), *Acacia leptocarpa* (67%), *Lantana camara** (5, 67%), *Glochidion indet.* (33%), *Glochidion sumatranum* (33%), *Hibiscus heterophyllus* (5, 33%), *Jagera pseudorhus var. pseudorhus* (33%), *Macaranga tanarius* (33%), *Mallotus philippensis* (33%), *Persoonia falcata* (33%), *Sida cordifolia** (50, 33%), *Tabernaemontana orientalis* (33%), *Timonius timon var. timon* (33%)

Stratum: S2

Height avg. = 1.0m, 1 site

Crown cover avg. = 2.0%, 1 site

Stem density/ha avg. = 240, 1 site

Dominant species (relative cover, frequency): *Cycas media subsp. media* (80, 33%), *Triumfetta rhomboidea** (4, 33%), *Pogonolobus reticulatus* (4, 33%), *Pandanus indet.* (4, 33%), *Jasminum didymum* (4, 33%)

Frequent species (cover, frequency): *Cycas media subsp. media* (2, 33%), *Glochidion apodogynum* (33%), *Jasminum didymum* (33%), *Pandanus indet.* (33%), *Pogonolobus reticulatus* (33%), *Triumfetta rhomboidea** (33%)

Stratum: G

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

PFC avg. = 74.7%, range 67-81%, 3 sites

Dominant species (relative cover, frequency): *Xanthorrhoea indet.* (57, 33%), *Mimosa pudica** (31, 33%), *Themeda triandra* (26, 67%), *Ischaemum australe var. villosum* (16, 33%), *Mnesithea rotboellioides* (11, 100%)

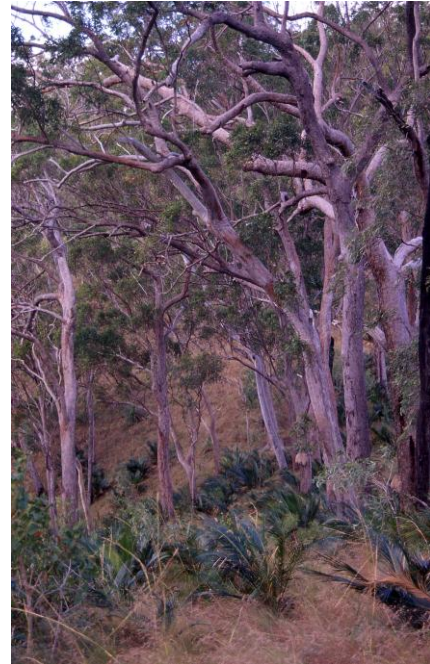
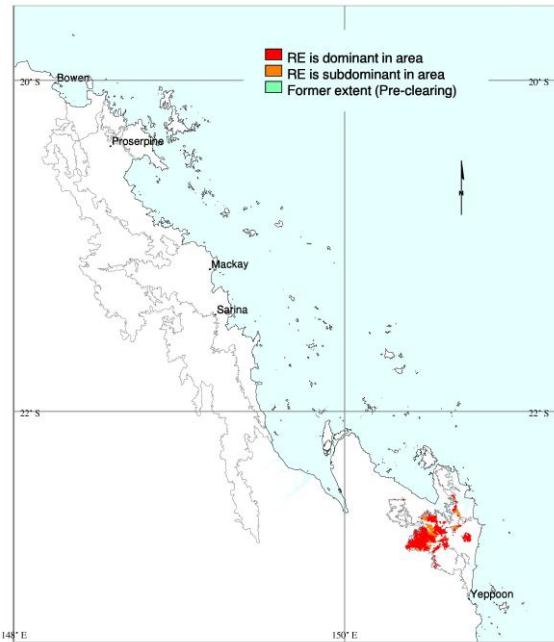
Frequent species (cover, frequency): GRAMINOIDS: *Fimbristylis dichotoma* (100%), *Imperata cylindrica* (8, 100%), *Mnesithea rotboellioides* (9, 100%), *Abildgaardia vaginata* (67%), *Eragrostis brownii* (2, 67%), *Fimbristylis cinnamometorum* (1, 67%), *Heteropogon triticeus* (1, 67%), *Scleria brownii* (1, 67%), *Themeda triandra* (21, 67%), *Abildgaardia ovata* (33%), *Alloteropsis semialata* (2, 33%), *Aristida queenslandica var. queenslandica* (2, 33%), *Capillipedium spicigerum* (33%), *Cyperaceae indet.* (6, 33%), *Cyperus aquatilis* (33%), *Cyperus cyperoides* (33%), *Cyperus haspan subsp. juncooides* (33%), *Cyperus scaber* (33%), *Cyperus zollingeri* (33%), *Digitaria parviflora* (33%), *Eremochloa bimaculata* (5, 33%), *Eriachne rara* (33%), *Fimbristylis polytrichoides* (2, 33%), *Heteropogon contortus* (33%), *Ischaemum australe var. villosum* (13, 33%), *Megathyrsus maximus** (33%), *Melinis minutiflora** (33%), *Melinis repens** (33%), *Oplismenus burmannii* (33%), *Paspalidium distans* (33%), *Paspalum scrobiculatum* (6, 33%), *Schizachyrium pseudeulalia* (3, 33%), *Scleria lithosperma* (33%), *Sorghum nitidum forma aristatum* (33%), *Urochloa subquadripara** (33%)

FORBS: *Ageratum conyzoides* (6, 100%), *Flemingia parviflora* (100%), *Glycine cyrtoloba* (100%), *Pycnospora lutescens* (100%), *Blumea saxatilis* (67%), *Crotalaria montana* (67%), *Cyanthillium cinereum* (67%), *Desmodium rhytidophyllum* (67%), *Dianella caerulea* (67%), *Emilia sonchifolia** (67%), *Lomandra longifolia* (67%), *Passiflora suberosa** (67%), *Phyllanthus virgatus* (67%), *Synedrella nodiflora** (1, 67%), *Urena lobata** (1, 67%), *Cassytha filiformis* (33%), *Centrosema molle** (33%), *Commelina lanceolata* (33%), *Crotalaria lanceolata* (33%), *Crotalaria pallida* (33%), *Curculigo ensifolia* (33%), *Desmodium heterocarpon var. strigosum* (33%), *Desmodium pullenii* (33%), *Desmodium triflorum** (33%), *Drynaria rigidula* (33%), *Eustrephus latifolius* (33%), *Fabaceae indet.* (33%), *Galactia tenuiflora* (33%), *Geodorum densiflorum* (33%), *Glycine tomentella* (33%), *Hyptis suaveolens** (33%), *Lindernia crustacea* (33%), *Macroptilium atropurpureum** (33%), *Mimosa pudica** (26, 33%), *Mitracarpus hirtus** (33%), *Mitrasacme pygmaea* (33%), *Murdannia graminea* (33%), *Paraserianthes toona* (33%), *Sida cordifolia** (1, 33%), *Spermacoce indet.* (33%), *Stachytarpheta cayennensis** (33%), *Stylidium eriorhizum* (33%), *Stylosanthes guianensis** (33%), *Thecanthes cornucopiae* (33%), *Triumfetta rhomboidea** (33%), *Uraria lagopodioides* (33%), *Xanthium occidentale** (33%), *Xanthorrhoea indet.* (40, 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, (only comprehensive sites used for ground stratum).

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

Eucalyptus portuensis and/or Corymbia intermedia and/or C. trachyphloia and/or E. exserta and/or Lophostemon confertus woodland on hill slopes on metamorphosed sediments (subregion 4)



Joy Brushhe

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 17,931 17,789 99%

Species recorded: Total: 166; woody: 78; ground: 113; Avg. spp./site: 28.5; std dev.: 10.5, 2 site(s)

Basal area: Avg./site: 23.0 m²/ha, range: 23.0 - 23 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 3%; unrecorded: 98%, 80 site(s)

Representative sites: 34824, 34884, 34886, 40771, 44140, 44145, 44146, 44147, 44159, 44160, 44186, 44209, 44242, 44252, 44256, 44258, 44259, 44272, 44275, 44289, 44292, 44296, 44300, 44301, 44302, 44312, 44357, 44359, 44365, 44407, 44470, 44472, 44477, 44478, 44479, 44480, 44482, 44486, 44487, 44524, 44561, 44562, 44564, 44596, 44597, 44611, 44612, 44614, 44615, 44616, 44622, 44623, 44625, 44626, 44640, 44644, 44645, 44646, 44647, 44660, 44662, 44713, 44717, 44719, 44720, 44721, 44722, 44723, 44724, 44725, 44726, 44727, 44728, 44730, 44731, 44733, 44735, 44737, 44738, 44791.

Stratum: T1

Height avg. = 17.6m, range 5-25m, 80 sites

Crown cover avg. = 40.0%, 1 site

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Eucalyptus portuensis (48, 75%), Corymbia trachyphloia (29, 46%), Corymbia intermedia (24, 56%), Eucalyptus crebra (21, 49%)

Frequent species (cover, frequency): Eucalyptus portuensis (11, 75%), Corymbia intermedia (5, 56%), Eucalyptus crebra (4, 49%), Corymbia trachyphloia (6, 46%), Eucalyptus exserta (3, 19%), Syncarpia glomulifera (3, 19%), Lophostemon suaveolens (3, 16%), Eucalyptus tereticornis (3, 14%), Eucalyptus fibrosa subsp. fibrosa (7, 11%), Eucalyptus platyphylla (3, 11%), Lophostemon confertus (3, 11%), Corymbia clarksoniana (3, 9%), Syncarpia glomulifera subsp. glomulifera (8, 6%), Corymbia tessellaris (2, 5%), Eucalyptus latisinensis (6, 5%), Eucalyptus moluccana (1, 4%), Allocasuarina torulosa (2, 3%), Eucalyptus suffulgens (1, 3%), Banksia integrifolia subsp. compar (1, 1%), Corymbia dallachiana (1%), Eucalyptus indet. (3, 1%), Leptospermum neglectum (1%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 7.6m, range 2.5-15m, 73 sites

Crown cover avg. = 12.0%, 1 site

Stem density/ha avg. = 180, 1 site

Dominant species (relative cover, frequency): Allocasuarina torulosa (64, 64%), Lophostemon confertus (44, 21%), Acacia flavescens (35, 30%)

Frequent species (cover, frequency): Allocasuarina torulosa (15, 64%), Acacia flavescens (6, 30%), Lophostemon confertus (8, 21%), Eucalyptus indet. (7, 16%), Lophostemon suaveolens (4, 15%), Syncarpia glomulifera (5, 14%), Planchonia careya (3, 10%), Banksia integrifolia subsp. compar (3, 9%), Melaleuca viridiflora var. viridiflora (5, 9%), Acacia aulacocarpa (4, 8%), Eucalyptus platyphylla (2, 8%), Allocasuarina littoralis (8, 6%), Acacia leiocalyx (3, 4%), Alphitonia excelsa (2, 4%), Grevillea banksii (3, 4%), Melaleuca nervosa (2, 4%), Acacia fimbriata (10, 3%), Corymbia dallachiana (1, 3%), Corymbia trachyphloia (4, 3%), Eucalyptus exserta (2, 3%), Eucalyptus latisinensis (4, 3%), Syncarpia glomulifera subsp. glomulifera (6, 3%), Acacia crassa subsp. longicoma (2, 1%), Acacia julifera subsp. curvinervia (5, 1%), Acacia leptocarpa (5, 1%), Acronychia laevis (2, 1%), Corymbia clarksoniana (1%), Corymbia intermedia (1%), Erythrina vespertilio (2, 1%), Eucalyptus portuensis (2, 1%), Euroschinus falcatus (1%), Grevillea venusta (2, 1%), Leptospermum neglectum (1%), Livistona decora (2, 1%), Timonius timon var. timon (2, 1%)

Stratum: T3

Height avg. = 3.4m, range 3-4m, 4 sites

Frequent species (cover, frequency): Acacia flavescens (8, 4%), Acacia maidenii (5, 3%), Allocasuarina torulosa (8, 3%), Lophostemon confertus (6, 3%), Acacia crassa subsp. longicoma (1%), Capparis canescens (1%), Capparis indet. (1%), Melaleuca viridiflora var. viridiflora (2, 1%), Planchonia careya (5, 1%), Pogonolobus reticulatus (2, 1%)

Stratum: S1

Height avg. = 2.0m, range 1-5m, 67 sites

Crown cover avg. = 6.0%, 1 site

Stem density/ha avg. = 640, 1 site

Dominant species (relative cover, frequency): Allocasuarina torulosa (43, 25%), Lophostemon confertus (37, 28%), Acacia flavescens (31, 29%)

Frequent species (cover, frequency): Acacia flavescens (7, 29%), Lophostemon confertus (10, 28%), Allocasuarina torulosa (8, 25%), Acacia aulacocarpa (6, 19%), Eucalyptus indet. (8, 16%), Xanthorrhoea latifolia subsp. latifolia (12, 14%), Planchonia careya (6, 13%), Acacia crassa subsp. longicoma (8, 11%), Acacia indet. (7, 10%), Alphitonia excelsa (5, 10%), Pogonolobus reticulatus (4, 10%), Jacksonia scoparia (4, 9%), Syncarpia glomulifera (7, 9%), Acacia maidenii (7, 8%), Grevillea banksii (3, 8%), Macrozamia miquelii (13, 6%), Acacia leiocalyx (6, 5%), Melaleuca viridiflora var. viridiflora (6, 5%), Comesperma esulifolium (1, 4%), Eucalyptus platyphylla (3, 4%), Lophostemon suaveolens (3, 4%), Petalostigma triloculare (2, 4%), Syncarpia glomulifera subsp. glomulifera (2, 4%), Acacia disparrima subsp. disparrima (8, 3%), Acacia implexa (6, 3%), Banksia robur (10, 3%), Bowenia serrulata (13, 3%), Glochidion indet. (2, 3%), Lantana camara (2, 3%), Passiflora suberosa* (2, 3%), Xanthorrhoea indet. (8, 3%), Acacia fimbriata (1%), Acacia leptocarpa (5, 1%), Allocasuarina littoralis (5, 1%), Banksia integrifolia subsp. compar (2, 1%), Callicarpa pedunculata (1%), Clerodendrum floribundum (2, 1%), Corymbia dallachiana (1%), Corymbia intermedia (2, 1%), Corymbia trachyphloia (1%), Cryptocarya hypospodia (1%), Daviesia ulicifolia (1%), Daviesia umbellulata (5, 1%), Eucalyptus fibrosa subsp. fibrosa (5, 1%), Eucalyptus portuensis (1%), Eucalyptus suffulgens (5, 1%), Ficus opposita (2, 1%), Glochidion sumatranum (2, 1%), Jagera pseudorhus var. pseudorhus (5, 1%), Leptospermum polygalifolium (5, 1%), Mallotus philippensis (5, 1%), Melaleuca nervosa (10, 1%), Melastoma malabathricum subsp. malabathricum (2, 1%), Myoporum acuminatum (1%), Persoonia virgata (1%), Pomaderris ferruginea (20, 1%), Pomaderris indet. (1%), Psychotria daphnoides (2, 1%), Pultenaea spinosa (2, 1%), Sida cordifolia* (10, 1%), Triumfetta rhomboidea* (10, 1%)*

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

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

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

Stratum: G

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

PFC avg. = 35.0%, 1 site

Dominant species (relative cover, frequency): Xanthorrhoea johnsonii (34, 100%), Themeda triandra (34, 100%), Dianella caerulea (15, 50%), Desmodium rhytidophyllum (9, 50%), Pogonolobus reticulatus (8, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (22, 100%), Abildgaardia vaginata (50%), Alloteropsis semialata (50%), Aristida utilis var. utilis (50%), Cymbopogon refractus (50%), Entolasia marginata (50%), Eremochloa bimaculata (1, 50%), Heteropogon triticeus (50%), Paspalidium gausum (50%), Sarga leiocladum (2, 50%), Scleria brownii (50%)

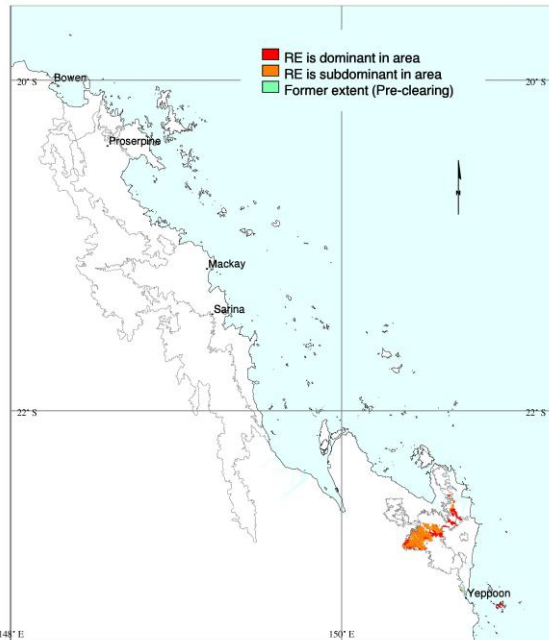
FORBS: Eustrephus latifolius (100%), Glycine indet. (100%), Pogonolobus reticulatus (8, 100%), Xanthorrhoea johnsonii (22, 100%), Acacia aulacocarpa (4, 50%), Acacia implexa (50%), Acacia maidenii (50%), Alphitonia excelsa (50%), Cheilanthes tenuifolia (50%), Crotalaria montana (50%), Cyanthillium cinereum (50%), Desmodium rhytidophyllum (3, 50%), Dianella caerulea (15, 50%), Dianella indet. (50%), Eucalyptus crebra (50%), Flemingia parviflora (50%), Hardenbergia violacea (50%), Hybanthus stellarioides (50%), Indigofera pratensis (50%), Leucopogon leptospermoides (50%), Passiflora suberosa (4, 50%), Phyllanthus virgatus (50%), Planchonia careya (50%), Rostellularia adscendens var. juncea (50%), Tephrosia juncea (50%), Zornia dyctiocarpa var. filifolia (50%)*

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 and/or E. platyphylla and/or Lophostemon suaveolens and/or E. crebra +/- C. intermedia woodland on slopes and ridges on metamorphosed sediments (subregion 4)



Joy Brushhe

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 7,779 7,181 92%

Species recorded: Total: 147; woody: 98; ground: 66; Avg. spp./site: 80.0; std dev.: 0.0, 1 site(s)

Basal area: Not available

Structural formation: Unrecorded: 100%, 16 site(s)

Representative sites: 44185, 44188, 44216, 44239, 44254, 44255, 44363, 44404, 44416, 44418, 44419, 44420, 44466, 44471, 44711, 45032.

Stratum: E

Height avg. = 18.0m, range 17-19m, 2 sites

Frequent species (cover, frequency): Eucalyptus tereticornis (2, 13%)

Stratum: T1

Height avg. = 17.1m, range 11-24m, 15 sites

Dominant species (relative cover, frequency): Lophostemon suaveolens (33, 38%), Corymbia tessellaris (30, 38%), Eucalyptus crebra (29, 50%), Eucalyptus tereticornis (27, 94%), Corymbia intermedia (27, 63%)

Frequent species (cover, frequency): Eucalyptus tereticornis (3, 94%), Corymbia intermedia (4, 63%), Eucalyptus crebra (2, 50%), Eucalyptus platyphylla (1, 44%), Corymbia tessellaris (4, 38%), Lophostemon suaveolens (4, 38%), Corymbia clarksoniana (1, 19%), Corymbia dallachiana (1, 19%), Allocasuarina torulosa (2, 13%), Livistona decora (2, 13%), Lophostemon confertus (7, 13%), Commersonia bartramia (5, 6%), Corymbia trachyphloia (7, 6%), Eucalyptus latisinensis (3, 6%), Eucalyptus portuensis (1, 6%), Euroschinus falcatus (6%), Ficus virens (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, (only comprehensive sites used for ground stratum).

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

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

Stratum: T2

Height avg. = 8.0m, range 5-14m, 14 sites

Dominant species (relative cover, frequency): Eucalyptus indet. (62, 25%), Allocasuarina torulosa (59, 44%), Acacia flavescens (41, 25%), Livistona decora (20, 38%), Lophostemon suaveolens (17, 44%)

Frequent species (cover, frequency): Allocasuarina torulosa (19, 44%), Lophostemon suaveolens (4, 44%), Livistona decora (6, 38%), Acacia flavescens (11, 25%), Eucalyptus indet. (7, 25%), Euroschinus falcatus (4, 19%), Lophostemon confertus (10, 19%), Planchonia careya (3, 19%), Acacia indet. (6, 13%), Corymbia tessellaris (1, 13%), Timonius timon var. timon (6, 13%), Acacia crassa subsp. longicoma (2, 6%), Acacia disparrima subsp. disparrima (2, 6%), Acacia leiocalyx (2, 6%), Alphitonia excelsa (2, 6%), Chionanthus ramiflora (9, 6%), Clematis glycinoides (9, 6%), Commersonia bartramia (2, 6%), Corymbia clarksoniana (5, 6%), Cryptocarya hypospodia (17, 6%), Drypetes deplanchei (6%), Elaeocarpus grandis (9, 6%), Eucalyptus crebra (2, 6%), Eucalyptus platyphylla (2, 6%), Eucalyptus tereticornis (2, 6%), Ficus rubiginosa (6%), Ficus virens (2, 6%), Flagellaria indica (6%), Glochidion sumatranum (2, 6%), Harpullia pendula (2, 6%), Litsea fawcettiana (17, 6%), Macaranga involucrata (2, 6%), Macaranga tanarius (2, 6%), Mallotus philippensis (9, 6%), Melia azedarach (6%), Melicope elleryana (9, 6%), Pittosporum indet. (2, 6%), Schefflera actinophylla (2, 6%)

Stratum: T3

Height avg. = 4.8m, range 3.5-6m, 3 sites

Frequent species (cover, frequency): Acacia flavescens (8, 13%), Timonius timon var. timon (5, 13%), Acacia crassa subsp. longicoma (10, 6%), Acacia disparrima subsp. disparrima (2, 6%), Acacia leiocalyx (2, 6%), Acmena hemilampra (6%), Acronychia laevis (25, 6%), Allocasuarina torulosa (10, 6%), Arytera divaricata (13, 6%), Citrus x limon (6%), Cryptocarya vulgaris (3, 6%), Cupaniopsis anacardioides (6%), Dockrillia bowmanii (2, 6%), Dysoxylum rufum (3, 6%), Ficus opposita (2, 6%), Ficus racemosa var. racemosa (6%), Glochidion sumatranum (5, 6%), Jagera pseudorhus var. pseudorhus (13, 6%), Lantana camara* (5, 6%), Litsea leefeana (3, 6%), Lophostemon confertus (10, 6%), Mallotus mollissimus (3, 6%), Pipturus argenteus (2, 6%), Pittosporum ferrugineum (13, 6%), Planchonia careya (10, 6%), Scolopia braunii (25, 6%)*

Stratum: S1

Height avg. = 2.0m, range 1.5-3m, 12 sites

Dominant species (relative cover, frequency): Acacia crassa subsp. longicoma (31, 25%), Alphitonia excelsa (14, 25%), Lantana camara (10, 38%)*

Frequent species (cover, frequency): Lantana camara (4, 38%), Acacia crassa subsp. longicoma (5, 25%), Alphitonia excelsa (4, 25%), Acacia flavescens (13, 19%), Acacia maidenii (3, 19%), Allocasuarina torulosa (10, 19%), Glochidion lobocarpum (3, 19%), Passiflora suberosa* (5, 19%), Planchonia careya (7, 19%), Pogonolobus reticulatus (3, 19%), Acacia indet. (6, 13%), Lophostemon confertus (8, 13%), Psychotria daphnoides (7, 13%), Timonius timon var. timon (8, 13%), Acmena smithii (6%), Alchornea thozetiana (3, 6%), Alpinia caerulea (6%), Archontophoenix cunninghamiana (6%), Brachychiton bidwillii (2, 6%), Cajanus reticulatus (2, 6%), Cissus oblonga (13, 6%), Clematis glycinoides (2, 6%), Cordyline cannifolia (6%), Corymbia tessellaris (5, 6%), Cupaniopsis anacardioides (3, 6%), Dioscorea transversa (6%), Diospyros pentamera (6%), Elaeagnus triflora (13, 6%), Embelia australiana (3, 6%), Erythrina vespertilio (5, 6%), Eucalyptus indet. (2, 6%), Eustrephus latifolius (6%), Ficus congesta var. congesta (6%), Ficus opposita (2, 6%), Glochidion sumatranum (5, 6%), Hibiscus heterophyllus (6%), Jagera pseudorhus var. pseudorhus (10, 6%), Livistona decora (5, 6%), Macaranga tanarius (2, 6%), Macrozamia miquelii (10, 6%), Melodinus australis (25, 6%), Mucuna gigantea (13, 6%), Myrsine porosa (6%), Neolitsea brassii (6%), Parsonsia velutina (6%), Passiflora foetida* (10, 6%), Petalostigma triloculare (5, 6%), Platycerium bifurcatum (6%), Psychotria loniceroides (3, 6%), Scolopia braunii (6%), Smilax australis (3, 6%), Tetrastigma nitens (3, 6%), Trema orientalis (6%), Trema tomentosa var. aspera (6%), Triumfetta rhomboidea* (5, 6%), Wikstroemia indica (6%), Xanthorrhoea latifolia subsp. latifolia (2, 6%)*

Stratum: G

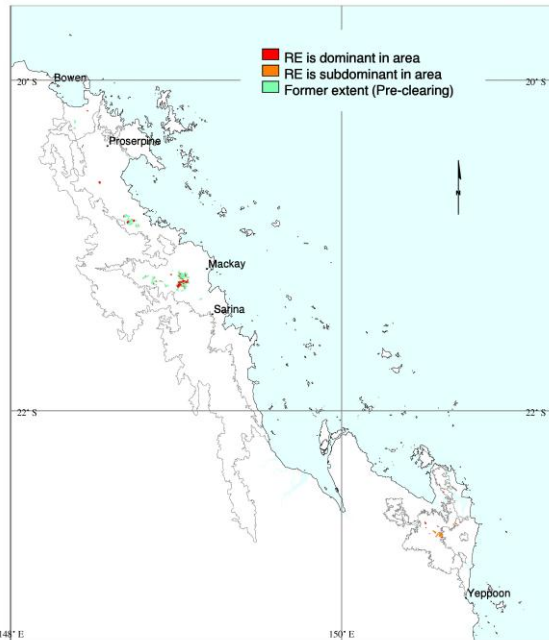
Dominant species (relative cover, frequency): Alpinia caerulea (44, 100%), Adiantum hispidulum (22, 100%), Adiantum aethiopicum (22, 100%), Oplismenus aemulus (5, 100%), Doodia caudata (5, 100%)

*Frequent species (cover, frequency): GRAMINOIDS: Oplismenus aemulus (5, 100%), Ottochloa nodosa (100%)
FORBS: Adiantum aethiopicum (20, 100%), Adiantum hispidulum (20, 100%), Alpinia caerulea (40, 100%), Calanthe triplicata (100%), Cordyline murchisoniae (100%), Doodia caudata (5, 100%), Homalanthus nutans (100%), Mackinlaya macrosciadea (100%), Olea paniculata (100%), Passiflora edulis* (100%), Piper hederaceum (100%), Pipturus argenteus (100%), Pteris ensiformis (100%), Rubus moluccanus (100%), Triumfetta rhomboidea* (100%)*

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

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

Eucalyptus platyphylla and/or Corymbia clarksoniana and/or C. intermedia and/or C. tessellaris woodland on low undulating areas on metamorphosed sediments



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 10,734 1,827 17%

Species recorded: Total: 55; woody: 30; ground: 28; Average species per site and standard deviation not available

Basal area: Not available

Structural formation: Unrecorded: 100%, 11 site(s)

Representative sites: 44253, 44257, 44405, 44417, 44648, 44649, 44650, 44661, 44712, 44714, 44715.

Stratum: T1

Height avg. = 15.8m, range 9-21m, 11 sites

Dominant species (relative cover, frequency): Eucalyptus platyphylla (44, 91%), Eucalyptus portuensis (43, 36%), Corymbia clarksoniana (25, 27%), Corymbia intermedia (17, 45%), Eucalyptus tereticornis (16, 36%)

Frequent species (cover, frequency): Eucalyptus platyphylla (11, 91%), Eucalyptus crebra (3, 55%), Corymbia intermedia (2, 45%), Eucalyptus portuensis (9, 36%), Eucalyptus tereticornis (2, 36%), Corymbia clarksoniana (5, 27%), Lophostemon confertus (3, 27%), Lophostemon suaveolens (3, 27%), Corymbia dallachiana (2, 18%), Acacia indet. (9%), Allocasuarina littoralis (6, 9%), Corymbia trachyphloia (11, 9%)

Stratum: T2

Height avg. = 8.1m, range 5-15m, 10 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (75, 55%), Eucalyptus platyphylla (48, 45%)

Frequent species (cover, frequency): Allocasuarina torulosa (12, 55%), Eucalyptus platyphylla (9, 45%), Lophostemon confertus (10, 18%), Lophostemon suaveolens (6, 18%), Planchonia careya (2, 18%), Acacia disparrima subsp. disparrima (2, 9%), Acacia indet. (5, 9%), Allocasuarina littoralis (5, 9%), Corymbia dallachiana (9%), Eucalyptus indet. (10, 9%), Euroschinus falcatus (9%), Ficus virens (9%), Lauraceae indet. (9%), Melaleuca viridiflora var. viridiflora (2, 9%), Melicope elleryana (2, 9%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 5.0m, 1 site

Frequent species (cover, frequency): Lophostemon suaveolens (5, 9%), Macaranga involucrata (20, 9%), Timonius timon var. timon (2, 9%)

Stratum: S1

Height avg. = 2.1m, range 1.5-3m, 6 sites

Dominant species (relative cover, frequency): Planchonia careya (21, 27%)

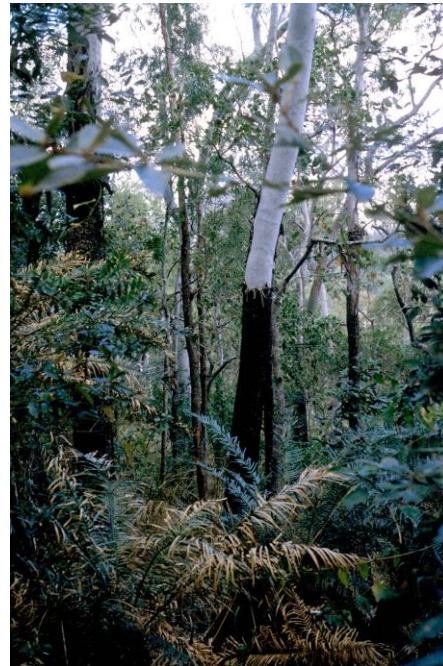
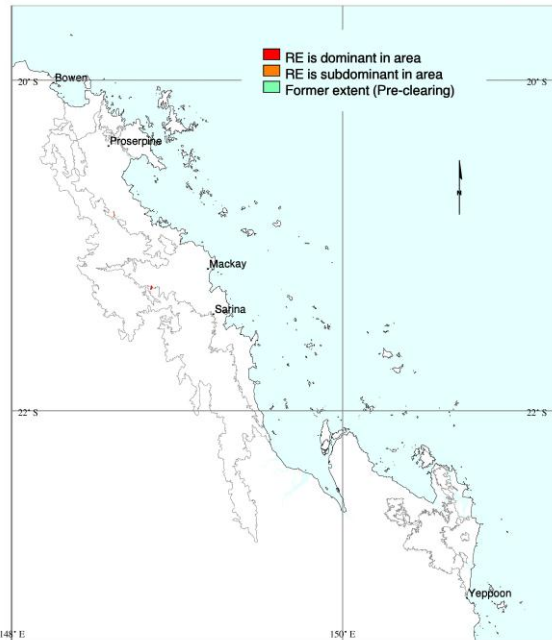
Frequent species (cover, frequency): Planchonia careya (3, 27%), Eucalyptus platyphylla (2, 18%), Lophostemon confertus (15, 18%), Acacia crassa subsp. longicoma (2, 9%), Acacia maidenii (5, 9%), Allocasuarina littoralis (2, 9%), Allocasuarina torulosa (10, 9%), Alpinia caerulea (2, 9%), Livistona decora (2, 9%), Macaranga involucrata (10, 9%), Macrozamia miquelii (10, 9%), Passiflora suberosa (10, 9%), Pogonolobus reticulatus (5, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 and Eucalyptus tereticornis open-forest on low hills on metamorphosed sediments (subregion 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 316 220 70%

Species recorded: Total: 41; woody: 17; ground: 24; Average species per site and standard deviation not available

Basal area: Avg./site: 20.0 m²/ha, range: 20.0 - 20 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

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

Representative sites: 36484.

Stratum: T1

Height avg. = 28.5m, 1 site

Crown cover avg. = 50.0%, 1 site

Dominant species (relative cover, frequency): Corymbia tessellaris (44, 100%), Eucalyptus tereticornis (22, 100%), Corymbia clarksoniana (22, 100%), Lophostemon suaveolens (11, 100%)

Frequent species (cover, frequency): Corymbia clarksoniana (10, 100%), Corymbia tessellaris (20, 100%), Eucalyptus tereticornis (10, 100%), Lophostemon suaveolens (5, 100%)

Stratum: T2

Height avg. = 5.0m, 1 site

Crown cover avg. = 5.0%, 1 site

Dominant species (relative cover, frequency): Alphitonia excelsa (57, 100%), Planchonia careya (38, 100%), Polyalthia nitidissima (2, 100%), Paraserianthes toona (2, 100%), Corymbia tessellaris (2, 100%)

Frequent species (cover, frequency): Alphitonia excelsa (3, 100%), Corymbia tessellaris (100%), Paraserianthes toona (100%), Planchonia careya (2, 100%), Polyalthia nitidissima (100%)

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

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

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

Stratum: S1

Height avg. = 1.8m, 1 site

Crown cover avg. = 16.0%, 1 site

Dominant species (relative cover, frequency): Lantana camara (60, 100%), Planchonia careya (12, 100%), Cycas media subsp. media (12, 100%), Alphitonia excelsa (12, 100%), Tabernaemontana orientalis (1, 100%)*

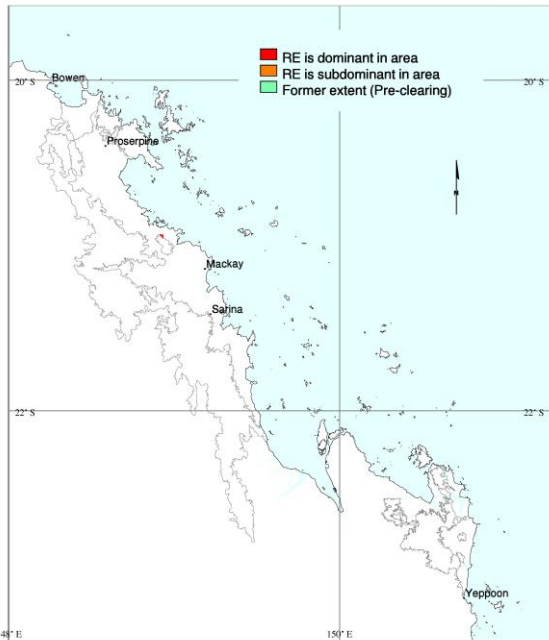
Frequent species (cover, frequency): Abrus precatorius (100%), Alphitonia excelsa (2, 100%), Cycas media subsp. media (2, 100%), Davallia indet. (100%), Exocarpos latifolius (100%), Glochidion apodogynum (100%), Lantana camara (10, 100%), Melia azedarach (100%), Paraserianthes toona (100%), Planchonia careya (2, 100%), Pogonolobus reticulatus (100%), Tabernaemontana orientalis (100%)*

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 drepanophylla woodland on low hills formed from conglomerate rocks (subregion 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 270 188 70%

Species recorded: Total: 51; woody: 16; ground: 36; Avg. spp./site: 51.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 14.0 m²/ha, range: 14.0 - 14 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

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

Representative sites: 36866.

Stratum: T1

Height avg. = 31.5m, 1 site

Crown cover avg. = 10.0%, 1 site

Dominant species (relative cover, frequency): Corymbia tessellaris (69, 100%), Eucalyptus drepanophylla (30, 100%), Eucalyptus platyphylla (1, 100%)

Frequent species (cover, frequency): Corymbia tessellaris (7, 100%), Eucalyptus drepanophylla (3, 100%), Eucalyptus platyphylla (100%)

Stratum: T2

Height avg. = 15.0m, 1 site

Crown cover avg. = 35.0%, 1 site

Stem density/ha avg. = 200, 1 site

Dominant species (relative cover, frequency): Corymbia tessellaris (37, 100%), Eucalyptus platyphylla (31, 100%), Corymbia dallachiana (20, 100%), Eucalyptus drepanophylla (12, 100%)

Frequent species (cover, frequency): Corymbia clarksoniana (100%), Corymbia dallachiana (7, 100%), Corymbia tessellaris (13, 100%), Eucalyptus drepanophylla (4, 100%), Eucalyptus platyphylla (11, 100%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 14.0%, 1 site

Stem density/ha avg. = 500, 1 site

Dominant species (relative cover, frequency): *Planchonia careya* (52, 100%), *Corymbia tessellaris* (44, 100%), *Sterculia quadrifida* (1, 100%), *Lophostemon suaveolens* (1, 100%), *Eucalyptus platyphylla* (1, 100%)

Frequent species (cover, frequency): *Clerodendrum floribundum* (100%), *Corymbia tessellaris* (6, 100%), *Erythrina vespertilio* (100%), *Eucalyptus platyphylla* (100%), *Lophostemon suaveolens* (100%), *Planchonia careya* (8, 100%), *Sterculia quadrifida* (100%)

Stratum: S1

Height avg. = 2.0m, 1 site

Crown cover avg. = 41.0%, 1 site

Stem density/ha avg. = 200, 1 site

Dominant species (relative cover, frequency): *Lantana camara** (73, 100%), *Cycas media subsp. media* (19, 100%), *Glochidion lobocarpum* (2, 100%), *Ficus opposita* (2, 100%), *Albizia procera* (2, 100%)

Frequent species (cover, frequency): *Albizia procera* (1, 100%), *Cycas media subsp. media* (8, 100%), *Ficus opposita* (1, 100%), *Glochidion lobocarpum* (1, 100%), *Lantana camara** (30, 100%), *Pogonolobus reticulatus* (100%)

Stratum: G

Height avg. = 0.4m, 1 site

PFC avg. = 66.0%, 1 site

Dominant species (relative cover, frequency): *Centrosema molle** (41, 100%), *Digitaria parviflora* (16, 100%), *Passiflora suberosa** (15, 100%), *Mnesithea rottboellioides* (10, 100%), *Ageratum conyzoides* (4, 100%)

Frequent species (cover, frequency): GRAMINOIDS: *Bothriochloa bladhii subsp. bladhii* (100%), *Digitaria parviflora* (11, 100%), *Fimbristylis dichotoma* (100%), *Heteropogon contortus* (100%), *Heteropogon triticeus* (100%), *Imperata cylindrica* (100%), *Melinis repens** (100%), *Mnesithea rottboellioides* (7, 100%), *Panicum effusum* (100%), *Paspalidium distans* (100%), *Paspalum notatum** (100%), *Scleria brownii* (1, 100%), *Sorghum nitidum forma aristatum* (100%), *Themeda triandra* (1, 100%), *Vacoparis laxiflorum* (100%)

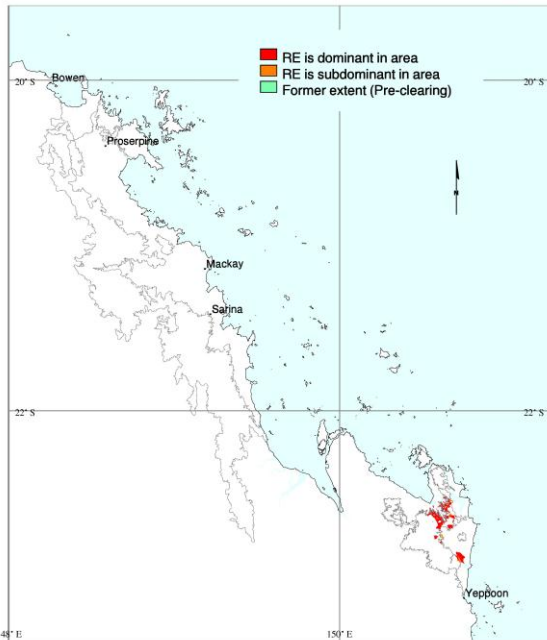
FORBS: *Ageratum conyzoides* (2, 100%), *Bidens pilosa** (100%), *Cajanus reticulatus* (100%), *Cassytha filiformis* (100%), *Centrosema molle** (28, 100%), *Chamaecrista absus* (100%), *Cyanthillium cinereum* (100%), *Cycas media subsp. media* (2, 100%), *Dianella caerulea* (100%), *Emilia sonchifolia** (100%), *Emilia sonchifolia var. sonchifolia** (100%), *Eustrephus latifolius* (100%), *Flemingia parviflora* (1, 100%), *Galactia tenuiflora* (100%), *Geitonoplesium cymosum* (100%), *Macroptilium atropurpureum** (100%), *Mimosa pudica** (1, 100%), *Passiflora suberosa** (10, 100%), *Stylosanthes guianensis** (100%), *Triumfetta rhomboidea** (100%), *Urena lobata** (100%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 and/or E. crebra and/or E. exserta +/- Corymbia intermedia +/- C. trachyphloia open-forest on metamorphosed sediments



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 8,438 8,394 99%

Species recorded: Total: 79; woody: 46; ground: 46; Average species per site and standard deviation not available

Basal area: Not available

Structural formation: Unrecorded: 100%, 29 site(s)

Representative sites: 44244, 44262, 44263, 44264, 44279, 44281, 44282, 44286, 44287, 44290, 44293, 44294, 44295, 44297, 44298, 44303, 44406, 44409, 44411, 44421, 44422, 44423, 44424, 44425, 44687, 44688, 44689, 44690, 44691.

Stratum: E

Height avg. = 12.0m, range 12-12m, 3 sites

Frequent species (cover, frequency): Corymbia intermedia (1, 10%), Eucalyptus latisinensis (2, 3%)

Stratum: T1

Height avg. = 16.4m, range 9-23m, 29 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (55, 24%), Eucalyptus latisinensis (50, 76%), Syncarpia glomulifera (23, 31%), Corymbia trachyphloia (19, 52%), Corymbia intermedia (18, 59%)

Frequent species (cover, frequency): Eucalyptus latisinensis (9, 76%), Corymbia intermedia (4, 59%), Corymbia trachyphloia (4, 52%), Syncarpia glomulifera (8, 31%), Eucalyptus crebra (12, 24%), Eucalyptus portuensis (4, 17%), Allocasuarina torulosa (11, 14%), Eucalyptus exserta (3, 14%), Eucalyptus tereticornis (3, 14%), Acacia flavescens (12, 10%), Lophostemon suaveolens (1, 7%), Allocasuarina littoralis (25, 3%), Alphitonia excelsa (5, 3%), Cupaniopsis anacardioides (3%), Eucalyptus acmenoides (4, 3%), Euroschinus falcatus (3%), Lophostemon confertus (3, 3%), Pouteria pohmaniana var. (Gilbert River C.T.White 1409) (1, 3%), Psydrax lamprophylla (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 7.7m, range 2-14m, 28 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (63, 79%), Syncarpia glomulifera (20, 24%), Eucalyptus indet. (16, 24%), Lophostemon suaveolens (5, 21%)

Frequent species (cover, frequency): Allocasuarina torulosa (16, 79%), Eucalyptus indet. (4, 24%), Syncarpia glomulifera (4, 24%), Lophostemon suaveolens (1, 21%), Banksia integrifolia subsp. compar (1, 17%), Eucalyptus latisinensis (4, 17%), Melaleuca viridiflora var. viridiflora (9, 17%), Acacia flavescens (14, 14%), Allocasuarina littoralis (20, 14%), Planchonia careya (3, 10%), Acacia indet. (4, 7%), Alphitonia excelsa (2, 7%), Grevillea banksii (1, 7%), Lophostemon confertus (10, 7%), Maytenus disperma (5, 7%), Acacia leiocalyx (2, 3%), Acacia leptocarpa (5, 3%), Acronychia laevis (5, 3%), Alectryon connatus (3%), Clerodendrum floribundum (3%), Eucalyptus crebra (2, 3%), Jagera pseudorhus var. pseudorhus (3%), Pouteria pohlmaniana var. (Gilbert River C.T.White 1409) (3%), Sarcostemma viminale subsp. brunonianum (3%)

Stratum: T3

Height avg. = 4.5m, range 3-6m, 2 sites

Frequent species (cover, frequency): Allocasuarina torulosa (8, 7%), Acacia flavescens (20, 3%), Lophostemon confertus (2, 3%), Melaleuca viridiflora var. viridiflora (2, 3%)

Stratum: S1

Height avg. = 2.0m, range 1-4m, 26 sites

Dominant species (relative cover, frequency): Melaleuca viridiflora var. viridiflora (52, 24%), Allocasuarina torulosa (40, 34%), Eucalyptus indet. (27, 21%), Grevillea banksii (20, 28%), Acacia flavescens (16, 24%)

Frequent species (cover, frequency): Allocasuarina torulosa (8, 34%), Grevillea banksii (4, 28%), Acacia disparrima subsp. disparrima (3, 24%), Acacia flavescens (3, 24%), Melaleuca viridiflora var. viridiflora (11, 24%), Eucalyptus indet. (4, 21%), Banksia integrifolia subsp. compar (3, 17%), Acacia leiocalyx (2, 14%), Allocasuarina littoralis (10, 14%), Alyxia ruscifolia (9, 14%), Livistona decora (2, 14%), Lophostemon confertus (3, 14%), Breynia oblongifolia (7, 10%), Pogonolobus reticulatus (2, 10%), Acacia indet. (5, 7%), Acronychia laevis (4, 7%), Dodonaea lanceolata var. subsessilifolia (5, 7%), Maytenus disperma (2, 7%), Planchonia careya (6, 7%), Acacia leptocarpa (2, 3%), Alphitonia excelsa (5, 3%), Cassytha indet. (10, 3%), Eucalyptus latisinensis (2, 3%), Exocarpos latifolius (2, 3%), Glochidion sumatranum (5, 3%), Hibiscus heterophyllus (10, 3%), Lantana camara (2, 3%), Passiflora suberosa* (10, 3%), Syncarpia glomulifera (10, 3%)*

Stratum: S2

Height avg. = 1.5m, 1 site

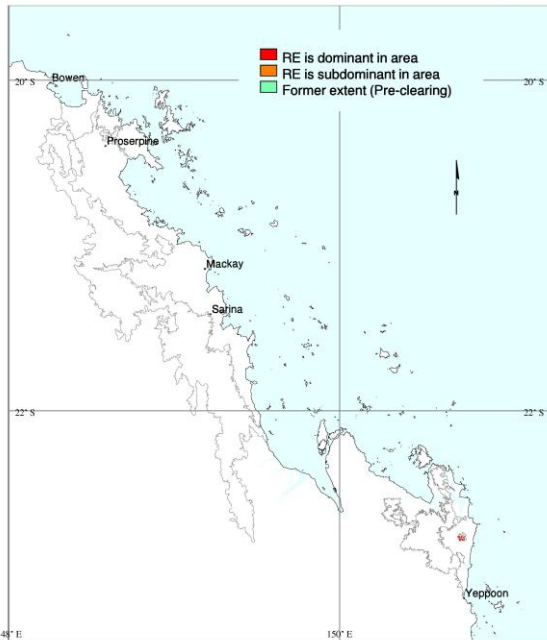
Frequent species (cover, frequency): Acacia flavescens (5, 3%), Alyxia ruscifolia (10, 3%), Dodonaea lanceolata var. subsessilifolia (3%), Eustrephus latifolius (3%), Lantana camara (3%), Passiflora suberosa* (5, 3%)*

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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 and/or Banksia integrifolia and/or Allocasuarina littoralis and/or Xanthorrhoea latifolia shrubland on exposed metamorphic mountain tops



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 222 222 100%

Species recorded: Total: 46; woody: 23; ground: 41; Avg. spp./site: 35.0; std dev.: 3.0, 2 site(s)

Basal area: Avg./site: 12.5 m²/ha, range: 12.5 - 13 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

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

Representative sites: 31066, 31104.

Stratum: T1

Height avg. = 4.0m, 1 site

Crown cover avg. = 39.0%, 1 site

Stem density/ha avg. = 600, 1 site

Dominant species (relative cover, frequency): Banksia integrifolia subsp. compar (59, 50%), Allocasuarina littoralis (26, 50%), Syncarpia glomulifera (10, 50%), Grevillea banksii (5, 50%)

Frequent species (cover, frequency): Allocasuarina littoralis (10, 50%), Banksia integrifolia subsp. compar (23, 50%), Grevillea banksii (2, 50%), Syncarpia glomulifera (4, 50%)

Stratum: S1

Height avg. = 1.0m, range 1-1m, 2 sites

Crown cover avg. = 38.5%, range 32.0-45.0%, 2 sites

Stem density/ha avg. = 9533, range 6467-12600, 2 sites

Dominant species (relative cover, frequency): Lophostemon confertus (25, 100%), Jacksonia scoparia (18, 100%), Acacia aulacocarpa (16, 100%), Syncarpia glomulifera (12, 100%), Banksia integrifolia subsp. compar (9, 50%)

Frequent species (cover, frequency): Acacia aulacocarpa (8, 100%), Acronychia laevis (100%), Acrotriche aggregata (100%), Allocasuarina littoralis (2, 100%), Astrotricha intermedia (100%), Eucalyptus exserta (2, 100%), Grevillea banksii (100%), Jacksonia scoparia (7, 100%), Leptospermum polygalifolium (1, 100%), Lophostemon confertus (11, 100%), Syncarpia glomulifera (4, 100%), Xanthorrhoea latifolia subsp. latifolia (2, 100%), Alphitonia excelsa (1, 50%), Alyxia ruscifolia (50%), Banksia integrifolia subsp. compar (3, 50%), Comesperma esulifolium (2, 50%), Comesperma indet. (50%), Eucalyptus portuensis (50%), Leptospermum neglectum (50%), Myrtaceae indet. (50%), Pomaderris canescens (1, 50%), Rhodomyrtus trineura (50%), Syzygium oleosum (50%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 0.4-0.4m, 2 sites

PFC avg. = 36.5%, range 30-43%, 2 sites

Dominant species (relative cover, frequency): *Leptospermum polygalifolium* (15, 100%), *Xanthorrhoea latifolia* subsp. *latifolia* (13, 100%), *Lomandra confertifolia* subsp. *pallida* (13, 100%), *Eremochloa bimaculata* (12, 100%), *Themeda triandra* (10, 100%)

Frequent species (cover, frequency): GRAMINOIDS: *Entolasia stricta* (1, 100%), *Eremochloa bimaculata* (5, 100%), *Lepidosperma laterale* var. *laterale* (1, 100%), *Themeda triandra* (4, 100%), *Digitaria* *indet.* (50%), *Eragrostis brownii* (50%), *Eriachne pallescens* var. *pallescens* (50%), *Gahnia aspera* (50%), *Panicum effusum* (50%), *Poaceae* *indet.* (1, 50%)

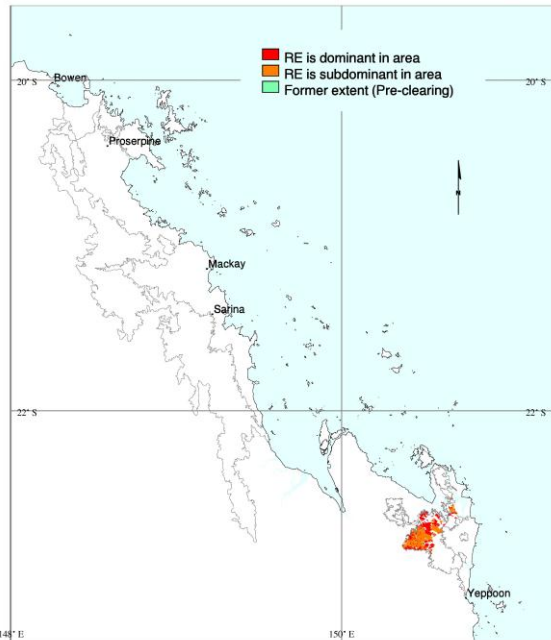
FORBS: *Acrotriche aggregata* (1, 100%), *Allocasuarina littoralis* (100%), *Alyxia ruscifolia* (100%), *Astrotricha intermedia* (100%), *Cassytha filiformis* (100%), *Comesperma esulifolium* (100%), *Dianella caerulea* (1, 100%), *Hibbertia vestita* (1, 100%), *Jacksonia scoparia* (1, 100%), *Leptospermum polygalifolium* (6, 100%), *Lomandra confertifolia* subsp. *pallida* (5, 100%), *Lophostemon confertus* (4, 100%), *Pimelea linifolia* (1, 100%), *Pomaderris canescens* (2, 100%), *Xanthorrhoea latifolia* subsp. *latifolia* (5, 100%), *Acacia aulacocarpa* (50%), *Acronychia laevis* (50%), *Alphitonia excelsa* (50%), *Azolla pinnata* (2, 50%), *Banksia integrifolia* subsp. *compar* (50%), *Dampiera ferruginea* (50%), *Eucalyptus exserta* (50%), *Grevillea banksii* (50%), *Hardenbergia violacea* (50%), *Leptospermum neglectum* (50%), *Lomandra multiflora* (50%), *Lophostemon suaveolens* (50%), *Parsonsia larcomensis* (50%), *Patersonia* *indet.* (50%), *Rhodomyrtus trineura* (50%), *Zieria minutiflora* subsp. *trichocarpa* (50%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 +/- Eucalyptus crebra +/- E. portuensis woodland on metamorphosed sediments (subregion 4)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 11,812 11,753 100%

Species recorded: Total: 80; woody: 44; ground: 42; Avg. spp./site: 22.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 14.5 m²/ha, range: 14.5 - 15 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Open-forest: 3%; unrecorded: 97%, 30 site(s)

Representative sites: 19933, 44139, 44141, 44240, 44241, 44243, 44245, 44266, 44267, 44271, 44288, 44291, 44364, 44476, 44481, 44483, 44484, 44485, 44586, 44587, 44592, 44627, 44628, 44659, 44663, 44664, 44729, 44732, 44734, 44736.

Stratum: E

Height avg. = 14.0m, 1 site

Frequent species (cover, frequency): Corymbia citriodora (2, 3%)

Stratum: T1

Height avg. = 20.3m, range 10-27m, 30 sites

Crown cover avg. = 77.0%, 1 site

Stem density/ha avg. = 200, 1 site

Dominant species (relative cover, frequency): Corymbia citriodora (43, 97%), Eucalyptus portuensis (37, 57%), Eucalyptus crebra (20, 83%), Corymbia trachyphloia (10, 43%)

Frequent species (cover, frequency): Corymbia citriodora (11, 97%), Eucalyptus crebra (3, 83%), Eucalyptus portuensis (8, 57%), Corymbia trachyphloia (2, 43%), Corymbia clarksoniana (3, 20%), Eucalyptus exserta (3, 13%), Corymbia intermedia (2, 7%), Eucalyptus moluccana (13, 7%), Eucalyptus platyphylla (12, 7%), Eucalyptus tereticornis (2, 7%), Lophostemon confertus (2, 7%), Corymbia dallachiana (3%), Corymbia erythrophloia (4, 3%), Eucalyptus acmenoides (4, 3%), Eucalyptus drepanophylla (21, 3%), Eucalyptus indet. (1, 3%), Eucalyptus latisinensis (2, 3%), Lophostemon suaveolens (5, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 7.6m, range 3-16m, 27 sites

Crown cover avg. = 24.0%, 1 site

Stem density/ha avg. = 80, 1 site

Dominant species (relative cover, frequency): Lophostemon confertus (52, 53%), Eucalyptus indet. (42, 30%), Acacia flavescens (30, 23%)

Frequent species (cover, frequency): Lophostemon confertus (12, 53%), Eucalyptus indet. (6, 30%), Acacia flavescens (4, 23%), Allocasuarina torulosa (5, 13%), Eucalyptus platyphylla (3, 13%), Corymbia citriodora (2, 10%), Eucalyptus moluccana (2, 10%), Lophostemon suaveolens (3, 10%), Melaleuca viridiflora var. viridiflora (4, 10%), Acacia aulacocarpa (2, 7%), Corymbia trachyphloia (5, 7%), Eucalyptus crebra (4, 7%), Eucalyptus portuensis (5, 7%), Acacia indet. (5, 3%), Acacia maidenii (5, 3%), Allocasuarina littoralis (2, 3%), Brachychiton populneus (3%), Corymbia dallachiana (22, 3%), Eucalyptus drepanophylla (11, 3%), Eucalyptus exserta (14, 3%), Jacksonia scoparia (10, 3%), Melaleuca nervosa (2, 3%), Planchonia careya (2, 3%), Pogonolobus reticulatus (5, 3%)

Stratum: T3

Height avg. = 4.3m, range 3-6m, 3 sites

Crown cover avg. = 8.0%, 1 site

Frequent species (cover, frequency): Lophostemon confertus (11, 10%), Acacia flavescens (5, 7%), Acacia aulacocarpa (10, 3%), Acacia crassa subsp. longicoma (20, 3%), Allocasuarina torulosa (2, 3%), Babingtonia indet. (2, 3%), Banksia integrifolia subsp. compar (2, 3%), Breynia oblongifolia (2, 3%), Corymbia citriodora (5, 3%), Dodonaea triquetra (2, 3%), Melaleuca sp. (Mt Wheeler P.I.Forster+ PIF13792) (3%), Planchonia careya (10, 3%), Pomaderris indet. (10, 3%)

Stratum: S1

Height avg. = 1.9m, range 1-4m, 23 sites

Crown cover avg. = 26.0%, 1 site

Stem density/ha avg. = 240, 1 site

Dominant species (relative cover, frequency): Lophostemon confertus (49, 37%), Eucalyptus indet. (35, 33%), Acacia crassa subsp. longicoma (32, 23%), Acacia aulacocarpa (29, 23%), Jacksonia scoparia (27, 27%)

Frequent species (cover, frequency): Lophostemon confertus (14, 37%), Eucalyptus indet. (6, 33%), Jacksonia scoparia (5, 27%), Acacia aulacocarpa (5, 23%), Acacia crassa subsp. longicoma (7, 23%), Pogonolobus reticulatus (2, 23%), Acacia indet. (13, 10%), Eucalyptus crebra (5, 10%), Acacia flavescens (6, 7%), Acacia julifera subsp. curvinervia (2, 7%), Acacia maidenii (2, 7%), Alphitonia excelsa (8, 7%), Corymbia dallachiana (2, 7%), Eucalyptus moluccana (2, 7%), Eucalyptus platyphylla (3, 7%), Acacia leiocalyx (2, 3%), Acacia leptocarpa (3%), Allocasuarina torulosa (5, 3%), Corymbia citriodora (1, 3%), Corymbia trachyphloia (3%), Eucalyptus drepanophylla (3%), Eucalyptus exserta (3%), Lantana camara (2, 3%), Lophostemon suaveolens (5, 3%), Melaleuca nervosa (2, 3%), Passiflora suberosa* (5, 3%), Planchonia careya (2, 3%), Xanthorrhoea johnsonii (8, 3%)*

Stratum: S2

Frequent species (cover, frequency): Acacia aulacocarpa (2, 3%), Eucalyptus indet. (10, 3%), Pogonolobus reticulatus (2, 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, (only comprehensive sites used for ground stratum).

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

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

Stratum: G

Height avg. = 0.2m, 1 site

PFC avg. = 14.0%, 1 site

Dominant species (relative cover, frequency): Eremochloa bimaculata (23, 100%), Chrysopogon fallax (21, 100%), Paspalidium distans (15, 100%), Aristida queenslandica var. queenslandica (14, 100%), Xanthorrhoea johnsonii (10, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Alloteropsis semialata (100%), Aristida queenslandica var. queenslandica (2, 100%), Chrysopogon fallax (3, 100%), Cymbopogon refractus (1, 100%), Digitaria breviglumis (100%), Entolasia stricta (100%), Eremochloa bimaculata (4, 100%), Paspalidium distans (2, 100%), Themeda triandra (1, 100%)

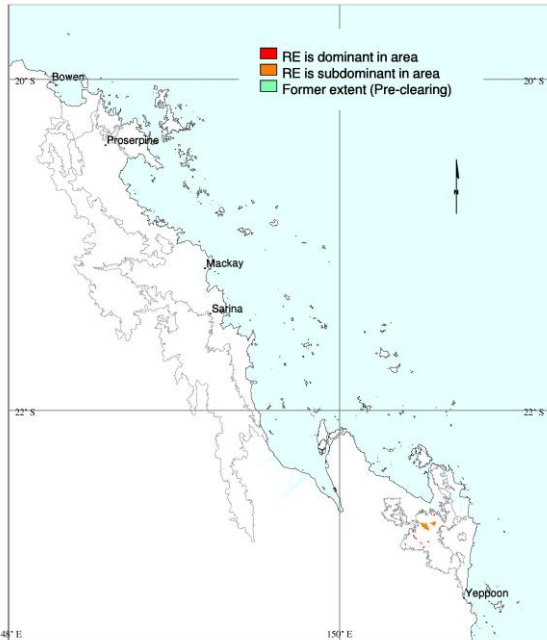
FORBS: Corymbia citriodora (100%), Desmodium rhytidophyllum (100%), Dianella caerulea (100%), Lomandra confertifolia (100%), Lomandra filiformis (100%), Lomandra longifolia (100%), Pogonolobus reticulatus (100%), Xanthorrhoea johnsonii (2, 100%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 lower slopes on metamorphosed sediments (subregion 4)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 539 539 100%

Species recorded: Total: 90; woody: 25; ground: 74; Avg. spp./site: 37.0; std dev.: 16.9, 3 site(s)

Basal area: Avg./site: 14.3 m²/ha, range: 13.0 - 16 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

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

Representative sites: 19961, 31424, 44299, 44792.

Stratum: T1

Height avg. = 24.3m, range 22-26m, 4 sites
 Crown cover avg. = 33.0%, range 20.0-46.0%, 2 sites
 Stem density/ha avg. = 70, range 40-100, 2 sites

Dominant species (relative cover, frequency): Eucalyptus moluccana (72, 100%), Eucalyptus indet. (30, 25%), Eucalyptus portuensis (24, 50%), Corymbia citriodora (17, 50%)

Frequent species (cover, frequency): Eucalyptus moluccana (19, 100%), Corymbia citriodora (3, 50%), Eucalyptus portuensis (5, 50%), Eucalyptus exserta (25%), Eucalyptus indet. (14, 25%), Eucalyptus platyphylla (25%)

Stratum: T2

Height avg. = 13.0m, range 11-16m, 3 sites
 Crown cover avg. = 21.0%, range 7.0-35.0%, 2 sites
 Stem density/ha avg. = 390, range 300-480, 2 sites

Dominant species (relative cover, frequency): Lophostemon confertus (59, 25%), Eucalyptus moluccana (40, 75%), Eucalyptus portuensis (32, 25%), Eucalyptus crebra (25, 25%), Corymbia trachyphloia (25, 25%)

Frequent species (cover, frequency): Eucalyptus moluccana (12, 75%), Lophostemon suaveolens (1, 50%), Acacia flavescens (25%), Corymbia citriodora (2, 25%), Corymbia trachyphloia (2, 25%), Eucalyptus crebra (2, 25%), Eucalyptus drepanophylla (25%), Eucalyptus exserta (25%), Eucalyptus indet. (25%), Eucalyptus platyphylla (25%), Eucalyptus platyphylla x E.tereticornis (25%), Eucalyptus portuensis (3, 25%), Lophostemon confertus (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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, 3 sites

Crown cover avg. = 20.5%, range 8.0-33.0%, 2 sites

Stem density/ha avg. = 1293, range 920-1667, 2 sites

Dominant species (relative cover, frequency): *Acacia crassa* subsp. *longicoma* (100, 25%), *Eucalyptus moluccana* (49, 50%), *Eucalyptus portuensis* (18, 25%), *Corymbia citriodora* (14, 25%), *Corymbia trachyphloia* (13, 25%)

Frequent species (cover, frequency): *Acacia flavescens* (1, 50%), *Eucalyptus moluccana* (10, 50%), *Lophostemon confertus* (1, 50%), *Acacia crassa* subsp. *longicoma* (10, 25%), *Acacia leptocarpa* (25%), *Alphitonia excelsa* (3, 25%), *Corymbia citriodora* (4, 25%), *Corymbia intermedia* (25%), *Corymbia trachyphloia* (1, 25%), *Cycas* indet. (25%), *Eucalyptus drepanophylla* (1, 25%), *Eucalyptus exserta* (25%), *Eucalyptus indet.* (25%), *Eucalyptus platyphylla* (25%), *Eucalyptus portuensis* (1, 25%)

Stratum: S1

Height avg. = 1.0m, 1 site

Crown cover avg. = 27.0%, 1 site

Stem density/ha avg. = 4440, 1 site

Dominant species (relative cover, frequency): *Acacia crassa* subsp. *longicoma* (42, 25%), *Pogonolobus reticulatus* (39, 50%), *Eucalyptus moluccana* (31, 50%), *Trema tomentosa* (20, 25%), *Lantana camara** (20, 25%)

Frequent species (cover, frequency): *Alphitonia excelsa* (4, 50%), *Eucalyptus moluccana* (5, 50%), *Lophostemon confertus* (10, 50%), *Pogonolobus reticulatus* (22, 50%), *Acacia crassa* subsp. *longicoma* (5, 25%), *Acacia flavescens* (2, 25%), *Breynia oblongifolia* (25%), *Corymbia dallachiana* (25%), *Eucalyptus indet.* (25%), *Lantana camara** (5, 25%), *Passiflora foetida** (25%), *Passiflora suberosa** (25%), *Trema tomentosa* (5, 25%)

Stratum: G

Height avg. = 0.3m, 1 site

PFC avg. = 30.0%, range 17-43%, 2 sites

Dominant species (relative cover, frequency): *Aristida utilis* var. *utilis* (33, 33%), *Lomandra longifolia* (29, 67%), *Themeda triandra* (14, 67%), *Passiflora suberosa** (12, 67%), *Paspalidium distans* (8, 67%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida queenslandica* var. *queenslandica* (67%), *Eragrostis brownii* (1, 67%), *Eremochloa bimaculata* (2, 67%), *Paspalidium distans* (2, 67%), *Themeda triandra* (7, 67%), *Alloteropsis semialata* (33%), *Aristida utilis* var. *utilis* (20, 33%), *Arundinella nepalensis* (5, 33%), *Bothriochloa decipiens* var. *decipiens* (33%), *Chrysopogon fallax* (3, 33%), *Cymbopogon refractus* (2, 33%), *Digitaria breviglumis* (3, 33%), *Digitaria ramularis* (33%), *Eragrostis indet.* (5, 33%), *Fimbristylis depauperata* (33%), *Fimbristylis dichotoma* (33%), *Gahnia aspera* (33%), *Leptochloa decipiens* subsp. *decipiens* (33%), *Paspalidium gausum* (33%), *Paspalidium gracile* (5, 33%), *Schizachyrium indet.* (1, 33%), *Sorghum nitidum* forma *aristatum* (33%), *Sporobolus jacquemontii** (33%)

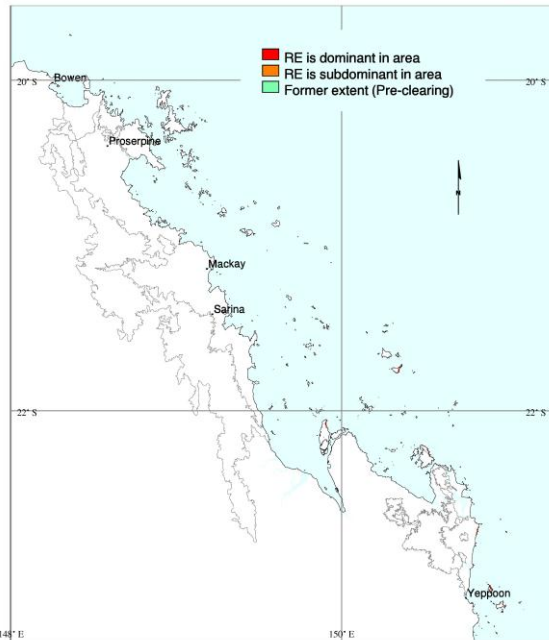
FORBS: *Dianella caerulea* (100%), *Cyanthillium cinereum* (67%), *Desmodium rhytidophyllum* (4, 67%), *Desmodium varians* (67%), *Eustrephus latifolius* (67%), *Glycine cyrtoloba* (67%), *Hypoxis pratensis* var. *pratensis* (67%), *Lomandra longifolia* (13, 67%), *Murdannia graminea* (1, 67%), *Passiflora suberosa** (2, 67%), *Phyllanthus virgatus* (1, 67%), *Pogonolobus reticulatus* (67%), *Alphitonia excelsa* (33%), *Breynia oblongifolia* (33%), *Brunoniella acaulis* (1, 33%), *Brunoniella australis* (33%), *Cheilanthes nudiuscula* (33%), *Cheilanthes sieberi* (33%), *Cheilanthes tenuifolia* (33%), *Corymbia trachyphloia* (33%), *Crotalaria montana* (33%), *Curculigo ensifolia* (33%), *Cycas indet.* (33%), *Dianella longifolia* (33%), *Epaltes australis* (33%), *Eucalyptus exserta* (33%), *Eucalyptus moluccana* (2, 33%), *Galactia tenuiflora* (33%), *Goodenia rotundifolia* (33%), *Hardenbergia violacea* (33%), *Iphigenia indica* (33%), *Lantana camara** (1, 33%), *Lomandra confertifolia* (33%), *Lomandra multiflora* (1, 33%), *Oxalis chnoodes* (33%), *Polygala linariifolia* (33%), *Pterocaulon indet.* (33%), *Rostellularia adscendens* (33%), *Sida cordifolia** (33%), *Sida hackettiana* (33%), *Sigesbeckia orientalis* (33%), *Spermacoce brachystema* (33%), *Stachytarpheta jamaicensis** (33%), *Tephrosia juncea* (33%), *Thecanthes cornucopiae* (33%), *Thysanotus tuberosus* (33%), *Xanthorrhoea johnsonii* (3, 33%), *Zornia dyctiocarpa* (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, (only comprehensive sites used for ground stratum).

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

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

Themeda triandra and/or Heteropogon contortus tussock grassland, or Xanthorrhoea latifolia shrubland with Themeda triandra, on exposed rocky headlands on metamorphosed sediments



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 968 955 99%

Species recorded: Total: 144; woody: 41; ground: 121; Avg. spp./site: 25.8; std dev.: 9.4, 8 site(s)

Basal area: 0

Structural formation: Tussock grassland: 38%; open-heath: 8%; dwarf shrubland: 8%; closed-tussock grassland: 8%; closed-forbland: 8%; unrecorded: 31%, 13 site(s)

Representative sites: 17067, 27154, 27155, 27220, 30924, 31065, 44370, 44681, 44695, 44760, 44830, 44924, 44926.

Stratum: E

Height avg. = 1.7m, range 0.5-4m, 3 sites

Crown cover avg. = 1.0%, range 0.0-2.0%, 3 sites

Stem density/ha avg. = 633, range 100-1700, 3 sites

Dominant species (relative cover, frequency): Xanthorrhoea latifolia subsp. latifolia (44, 23%), Grevillea banksii (39, 23%), Allocasuarina littoralis (18, 31%)

Frequent species (cover, frequency): Allocasuarina littoralis (3, 31%), Grevillea banksii (4, 23%), Xanthorrhoea latifolia subsp. latifolia (5, 23%), Pittosporum ferrugineum (1, 15%), Acacia julifera subsp. curvinervia (19, 8%), Acrotriche aggregata (2, 8%), Banksia integrifolia subsp. compar (3, 8%), Banksia robur (5, 8%), Brachyloma daphnoides (2, 8%), Comesperma oblongatum (8%), Cupaniopsis anacardioides (10, 8%), Dampiera ferruginea (1, 8%), Diospyros geminata (2, 8%), Dodonaea lanceolata var. subsessilifolia (3, 8%), Dodonaea viscosa (5, 8%), Ficus opposita (8%), Hibbertia stricta (3, 8%), Hovea clavata (2, 8%), Myoporum acuminatum (2, 8%), Pultenaea spinosa (2, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 0.5m, range 0.2-1m, 3 sites

Crown cover avg. = 43.0%, 1 site

Dominant species (relative cover, frequency): Grevillea banksii (28, 23%)

Frequent species (cover, frequency): Spinifex sericeus (4, 8%), Themeda triandra (23, 8%), Grevillea banksii (15, 23%), Acacia flavescens (7, 8%), Acrotriche aggregata (4, 8%), Banksia integrifolia subsp. compar (7, 8%), Chrysocephalum apiculatum (4, 8%), Comesperma oblongatum (27, 8%), Dianella caerulea (2, 8%), Dodonaea lanceolata var. subsessilifolia (7, 8%), Helichrysum lanuginosum (4, 8%), Hovea clavata (7, 8%), Hovea indet. (2, 8%), Jacksonia scoparia (20, 8%), Keraudrenia indet. (2, 8%), Keraudrenia lanceolata (2, 8%), Lithomyrtus obtusa (2, 8%), Litsea fawcettiana (8%), Lomandra leucocephala (4, 8%), Opuntia indet. (2, 8%), Petalostigma pubescens (2, 8%), Phyllota phyllicoides (2, 8%), Pimelea linifolia (4, 8%), Pycnospora lutescens (2, 8%), Xanthorrhoea indet. (8, 8%), Xerochrysum bracteatum (4, 8%)

Stratum: G

Height avg. = 0.3m, range 0.15-0.4m, 4 sites

PFC avg. = 60.0%, range 45-74%, 5 sites

Dominant species (relative cover, frequency): Themeda triandra (35, 100%), Xanthorrhoea latifolia subsp. latifolia (34, 50%), Lomandra longifolia (21, 25%), Heteropogon contortus (12, 38%), Sehima nervosum (10, 25%)

Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (22, 100%), Digitaria diffusa (50%), Alloteropsis semialata (38%), Aristida holathera var. holathera (38%), Aristida queenslandica var. queenslandica (2, 38%), Cymbopogon bombycinus (38%), Heteropogon contortus (7, 38%), Abildgaardia ovata (25%), Chrysopogon fallax (1, 25%), Eremochloa bimaculata (25%), Sehima nervosum (7, 25%), Entolasia stricta (13%), Eragrostis brownii (13%), Eragrostis sororia (13%), Gahnia aspera (4, 13%), Lepidosperma laterale (14, 13%), Melinis repens (13%), Panicum decompositum var. tenuius (13%), Panicum effusum (13%), Paspalidium distans (1, 13%)*

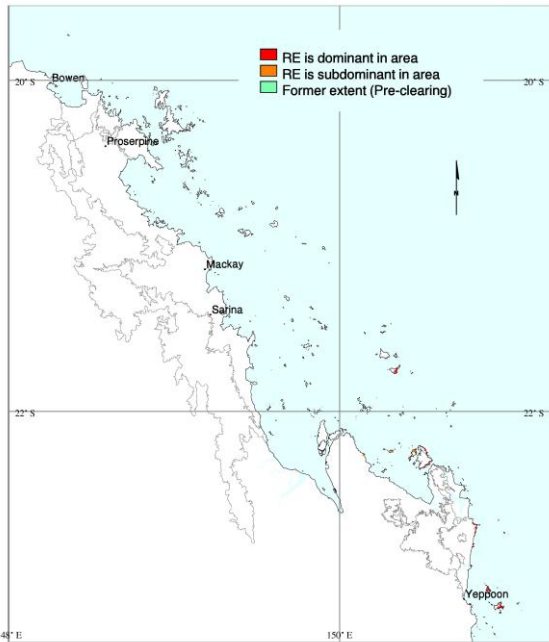
FORBS: Cassytha indet. (63%), Passiflora suberosa (63%), Evolvulus alsinoides (50%), Isotropis filicaulis (50%), Xanthorrhoea latifolia subsp. latifolia (27, 50%), Dodonaea lanceolata var. subsessilifolia (38%), Glycine tomentella (2, 38%), Lomandra multiflora (1, 38%), Opuntia stricta* (38%), Phyllanthus virgatus (38%), Tephrosia filipes (38%), Acacia julifera subsp. curvinervia (7, 25%), Acacia leiocalyx (25%), Angiosperm indet. (25%), Brunoniella australis (25%), Chorizema parviflorum (25%), Crotalaria brevis (25%), Dianella crinoides (25%), Dianella longifolia var. longifolia (1, 25%), Diuris alba (3, 25%), Galactia tenuiflora (25%), Glycine tabacina (25%), Helichrysum lanuginosum (25%), Heliotropium peninsulare (25%), Hibbertia vestita (3, 25%), Lomandra longifolia (13, 25%), Pycnospora lutescens (25%), Sida cordifolia* (25%), Sida hackettiana (25%), Sida spinosa* (25%), Stachytarpheta jamaicensis* (25%), Thysanotus tuberosus subsp. tuberosus (25%), Tricoryne elatior (25%), Asteraceae indet. (13%), Blechnum orientale (13%), Brunonia australis (2, 13%), Caladenia carnea var. carnea (4, 13%), Caladenia catenata (2, 13%), Cassytha filiformis (2, 13%), Chenopodium carinatum (13%), Comesperma oblongatum (13%), Crotalaria montana (13%), Cyanthillium cinereum (13%), Cyclophyllum coprosmoides (13%), Dianella caerulea (14, 13%), Dianella indet. (10, 13%), Dianella longifolia (13%), Diuris alba x D.chrysantha (2, 13%), Diuris chrysantha (2, 13%), Diuris indet. (13%), Eremophila debilis (5, 13%), Eustrephus latifolius (13%), Galactia indet. (13%), Grevillea banksii (2, 13%), Hibbertia stricta (13%), Hybanthus stellarioides (13%), Jacksonia scoparia (13%), Lomandra confertifolia (14, 13%), Lomandra confertifolia subsp. pallida (13%), Lomandra multiflora subsp. multiflora (1, 13%), Passiflora foetida* (13%), Patersonia sericea (13%), Peripleura diffusa (13%), Pimelea linifolia subsp. linifolia (2, 13%), Pittosporum ferrugineum (13%), Polymeria calycina (13%), Poranthera microphylla (13%), Pseuderanthemum variabile (13%), Pterocaulon serrulatum (13%), Pultenaea spinosa (33, 13%), Rostellularia adscendens var. hispida (13%), Solanum opacum (13%), Spermacoce indet. (13%), Spermacoce multicaulis (13%), Velleia paradoxa (13%), Velleia spathulata (2, 13%), Wahlenbergia gracilis (13%), Xanthorrhoea johnsonii (1, 13%), Xerochrysum bracteatum (7, 13%), Zornia muriculata subsp. angustata (13%)*

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

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

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

Lophostemon spp. and/or Acacia spp. and/or Melaleuca viridiflora and/or Allocasuarina littoralis +/- Eucalyptus spp. +/- Corymbia spp. tall open-shrubland on exposed hill slopes of islands and headlands, on metamorphosed sediments



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 2,018 1,997 99%

Species recorded: Total: 199; woody: 79; ground: 152; Avg. spp./site: 25.0; std dev.: 6.8, 9 site(s)

Basal area: Avg./site: 10.7 m²/ha, range: 4.0 - 19 m²/ha, std. deviation: 7 m²/ha, 4 site(s)

Structural formation: Open-scrub: 20%; shrubland: 7%; open-heath: 7%; low open-woodland: 7%; dwarf shrubland: 7%; dwarf open-heath: 7%; unrecorded: 47%, 15 site(s)

Representative sites: 27156, 27159, 27221, 31044, 31045, 31067, 44600, 44652, 44655, 44685, 44764, 44765, 44778, 44799, 44984.

Stratum: E

Height avg. = 7.5m, range 3-12m, 2 sites

Frequent species (cover, frequency): Eucalyptus crebra (11, 13%), Corymbia dallachiana (10, 7%)

Stratum: T1

Height avg. = 4.9m, range 2.5-7m, 4 sites

Crown cover avg. = 17.0%, 1 site

Stem density/ha avg. = 1840, 1 site

Frequent species (cover, frequency): Alphitonia excelsa (2, 13%), Cyclophyllum coprosmoides (1, 13%), Eucalyptus exserta (2, 13%), Lophostemon suaveolens (14, 13%), Melaleuca viridiflora var. viridiflora (7, 13%), Acacia julifera subsp. curvinervia (3, 7%), Acacia leiocalyx (2, 7%), Corymbia dallachiana (5, 7%), Corymbia tessellaris (20, 7%), Drypetes deplanchei (7%), Eucalyptus crebra (3, 7%), Hakea lorea (7%), Lophostemon confertus (7%), Melaleuca nervosa (7%), Melaleuca quinquenervia (4, 7%), Neolitsea brassii (7%), Pandanus tectorius (4, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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

Frequent species (cover, frequency): Allocasuarina torulosa (40, 7%)

Stratum: S1

Height avg. = 1.9m, range 0.4-4m, 13 sites

Crown cover avg. = 70.0%, range 23.0-86.0%, 6 sites

Stem density/ha avg. = 6260, range 2880-12500, 6 sites

Dominant species (relative cover, frequency): Lophostemon confertus (62, 27%), Acacia leiocalyx (39, 33%), Acacia disparrima subsp. disparrima (37, 27%), Melaleuca viridiflora var. viridiflora (23, 27%), Allocasuarina littoralis (10, 33%)

Frequent species (cover, frequency): Gahnia aspera (7%), Grevillea banksii (3, 53%), Acacia leiocalyx (28, 33%), Allocasuarina littoralis (6, 33%), Acacia disparrima subsp. disparrima (15, 27%), Alphitonia excelsa (1, 27%), Banksia integrifolia subsp. compar (1, 27%), Dodonaea lanceolata var. subsessilifolia (4, 27%), Lophostemon confertus (48, 27%), Melaleuca viridiflora var. viridiflora (8, 27%), Xanthorrhoea latifolia subsp. latifolia (5, 27%), Acacia julifera subsp. curvinervia (3, 20%), Cassytha indet. (1, 20%), Banksia robur (13, 13%), Corymbia intermedia (2, 13%), Cupaniopsis anacardioides (13%), Cyclophyllum coprosmoides (1, 13%), Eucalyptus crebra (5, 13%), Lantana camara (3, 13%), Leptospermum polygalifolium (13%), Lophostemon suaveolens (1, 13%), Acacia indet. (10, 7%), Blechnum orientale (7%), Brachyloma daphnoides (7%), Breynia oblongifolia (7%), Bursaria incana (2, 7%), Cassia indet. (2, 7%), Clerodendrum floribundum (3, 7%), Corymbia dallachiana (6, 7%), Corymbia tessellaris (7%), Dampiera ferruginea (5, 7%), Diospyros geminata (7%), Drypetes deplanchei (7%), Eucalyptus virgatus (7%), Hovea clavata (7%), Jacksonia scoparia (7%), Keraudrenia lanceolata (2, 7%), Lithomyrtus obtusa (6, 7%), Ludwigia octovalvis (5, 7%), Marsdenia fraseri (7%), Melaleuca quinquenervia (5, 7%), Melastoma malabathricum subsp. malabathricum (5, 7%), Passiflora foetida* (7%), Passiflora suberosa* (7%), Petalostigma pubescens (7%), Phebalium woombye (6, 7%), Pittosporum ferrugineum (1, 7%), Pouteria sericea (1, 7%), Psydrax odorata (2, 7%), Santalum lanceolatum (4, 7%), Sarcostemma viminalis subsp. brunonianum (7%), Schefflera actinophylla (7%), Stylosanthes indet. (7%), Timonius timon var. timon (10, 7%)*

Stratum: S2

Height avg. = 0.8m, range 0.5-1.5m, 6 sites

Crown cover avg. = 25.2%, range 8.0-62.0%, 5 sites

Stem density/ha avg. = 4792, range 3000-7440, 5 sites

Dominant species (relative cover, frequency): Xanthorrhoea latifolia subsp. latifolia (83, 40%)

Frequent species (cover, frequency): Gahnia aspera (7%), Xanthorrhoea latifolia subsp. latifolia (26, 40%), Acacia leiocalyx (1, 20%), Grevillea banksii (20%), Acrotriche aggregata (13%), Breynia oblongifolia (1, 13%), Dodonaea lanceolata var. subsessilifolia (1, 13%), Hibbertia linearis (2, 13%), Hovea clavata (2, 13%), Lophostemon confertus (2, 13%), Passiflora suberosa (1, 13%), Alectryon connatus (2, 7%), Alphitonia excelsa (7%), Alyxia spicata (7%), Cassytha indet. (7%), Cassytha pubescens (5, 7%), Christella dentata (7%), Comesperma oblongatum (7%), Dampiera ferruginea (5, 7%), Dianella longifolia (7%), Diospyros geminata (7%), Dodonaea viscosa (5, 7%), Eustrephus latifolius (7%), Exocarpos latifolius (7%), Ficus congesta var. congesta (7%), Ficus opposita (7%), Hibbertia stricta (5, 7%), Jacksonia scoparia (7%), Lantana camara* (2, 7%), Lithomyrtus obtusa (5, 7%), Mirbelia rubiifolia (7%), Petalostigma pubescens (7%), Phyllota phyllicoides (38, 7%), Sarcostemma viminalis subsp. brunonianum (7%), Sida rhombifolia* (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, (only comprehensive sites used for ground stratum).

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

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

Stratum: G

Height avg. = 0.2m, range 0.2-0.3m, 6 sites

PFC avg. = 16.3%, range 7-22%, 6 sites

Dominant species (relative cover, frequency): Lomandra longifolia (34, 33%), Xanthorrhoea latifolia subsp. latifolia (32, 89%), Schoenus sparteus (25, 22%), Geodorum densiflorum (17, 33%), Dianella caerulea (14, 22%)

Frequent species (cover, frequency): GRAMINOIDS: Alloteropsis semialata (56%), Paspalidium distans (56%), Aristida queenslandica var. queenslandica (44%), Eremochloa bimaculata (1, 44%), Heteropogon contortus (44%), Themeda triandra (3, 44%), Chrysopogon fallax (1, 33%), Digitaria diffusa (33%), Cymbopogon bombycinus (22%), Eragrostis brownii (22%), Gahnia aspera (22%), Melinis repens (1, 22%), Schoenus sparteus (3, 22%), Aristida holathera var. holathera (11%), Aristida indet. (2, 11%), Arundinella setosa (1, 11%), Caustis recurvata (5, 11%), Digitaria indet. (11%), Ectrosia leporina (11%), Entolasia stricta (11%), Eragrostis indet. (11%), Gahnia indet. (11%), Ottochloa nodosa (11%), Panicum indet. (11%), Paspalidium indet. (11%), Scleria brownii (11%), Scleria indet. (11%)*

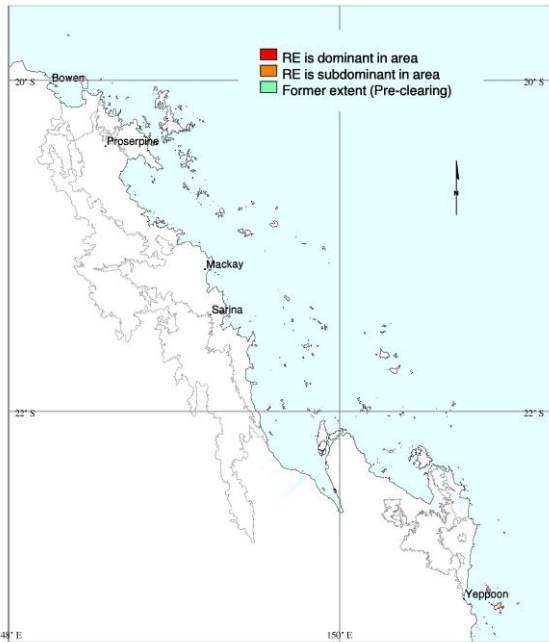
FORBS: Xanthorrhoea latifolia subsp. latifolia (9, 89%), Passiflora suberosa (1, 67%), Acacia leiocalyx (44%), Dodonaea lanceolata var. subsessilifolia (44%), Opuntia stricta* (44%), Cassytha indet. (33%), Dianella crinoides (33%), Dianella longifolia (33%), Eustrephus latifolius (2, 33%), Geodorum densiflorum (2, 33%), Lomandra longifolia (6, 33%), Angiosperm indet. (22%), Clematicissus opaca (22%), Dianella caerulea (10, 22%), Dianella longifolia var. longifolia (22%), Galactia indet. (22%), Lomandra multiflora (22%), Patersonia sericea (22%), Phyllanthus virgatus (22%), Pseuderanthemum variabile (22%), Acacia juncifolia (11%), Acianthus indet. (1, 11%), Adiantum hispidulum (5, 11%), Alphitonia excelsa (11%), Aristolochia indet. (11%), Baloskion pallens (11%), Boronia occidentalis (11%), Breynea oblongifolia (11%), Brunoniella australis (11%), Brunoniella indet. (11%), Cheilanthes indet. (11%), Cheilanthes tenuifolia (11%), Clerodendrum floribundum (1, 11%), Cyathillium cinereum (11%), Drypetes deplanchei (11%), Eucalyptus crebra (11%), Evolvulus alsinoides (11%), Genoplesium indet. (11%), Glycine cyrtoloba (11%), Gompholobium pinnatum (5, 11%), Grevillea banksii (11%), Hardenbergia violacea (5, 11%), Helichrysum lanuginosum (11%), Heliotropium peninsulare (11%), Hybanthus stellarioides (11%), Keraudrenia lanceolata (5, 11%), Lindsaea ensifolia (20, 11%), Lobelia membranacea (11%), Lomandra confertifolia (14, 11%), Lomandra confertifolia subsp. pallida (11%), Lophostemon confertus (11%), Lophostemon suaveolens (11%), Ludwigia octovalvis (11%), Marsdenia fraseri (11%), Passiflora foetida* (11%), Peripleura diffusa (11%), Poranthera microphylla (11%), Pterostylis ophioglossa (11%), Pultenaea spinosa (20, 11%), Sarcostemma viminale subsp. brunonianum (11%), Seringia corollata (11%), Sida cordifolia* (11%), Tephrosia filipes (11%), Xerochrysum bracteatum (11%), Zornia muriculata subsp. angustata (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, (only comprehensive sites used for ground stratum).

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

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

Eucalyptus crebra and/or E. exserta and/or Corymbia clarksoniana and/or Lophostemon confertus and/or Corymbia trachyphloia low woodland on metamorphics on islands and headlands



Joy Brushhe

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 254 253 100%

Species recorded: Total: 112; woody: 69; ground: 59; Average species per site and standard deviation not available

Basal area: Avg./site: 19.0 m²/ha, range: 19.0 - 19 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Open-forest: 5%; unrecorded: 95%, 21 site(s)

Representative sites: 17525, 44385, 44445, 44591, 44599, 44601, 44653, 44656, 44676, 44679, 44684, 44686, 44692, 44693, 44694, 44697, 44698, 44700, 44702, 44703, 44706.

Stratum: E

Height avg. = 12.0m, 1 site

Frequent species (cover, frequency): Corymbia clarksoniana (2, 5%), Eucalyptus exserta (5%)

Stratum: T1

Height avg. = 8.2m, range 3-13m, 21 sites

Crown cover avg. = 21.0%, 1 site

Dominant species (relative cover, frequency): Eucalyptus crebra (50, 33%), Lophostemon confertus (49, 33%), Corymbia clarksoniana (24, 48%), Eucalyptus exserta (20, 57%), Corymbia dallachiana (18, 24%)

Frequent species (cover, frequency): Eucalyptus exserta (5, 57%), Corymbia clarksoniana (5, 48%), Eucalyptus crebra (11, 33%), Lophostemon confertus (27, 33%), Corymbia dallachiana (4, 24%), Corymbia trachyphloia (31, 19%), Acacia disparrima subsp. disparrima (7, 14%), Alphitonia excelsa (7, 14%), Corymbia intermedia (10, 14%), Lophostemon suaveolens (23, 14%), Melaleuca nervosa (9, 14%), Pouteria sericea (10, 10%), Psydrax odorata (2, 10%), Acacia falciformis (10, 5%), Acacia flavescens (6, 5%), Acacia julifera subsp. curvinervia (16, 5%), Acacia leptocarpa (9, 5%), Allocasuarina littoralis (2, 5%), Corymbia tessellaris (2, 5%), Eucalyptus platyphylla (3, 5%), Eucalyptus tereticornis (15, 5%), Exocarpos latifolius (1, 5%), Ficus indet. (5%), Geijera salicifolia (5%), Grevillea banksii (3, 5%), Grevillea indet. (4, 5%), Grevillea parallela (4, 5%), Leptospermum neglectum (2, 5%), Melaleuca viridiflora var. viridiflora (4, 5%), Petalostigma pubescens (3, 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, (only comprehensive sites used for ground stratum).

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

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

Stratum: T2

Height avg. = 4.4m, range 3-6m, 7 sites

Crown cover avg. = 10.0%, 1 site

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (4, 10%), *Acacia flavescens* (4, 10%), *Acacia julifera* subsp. *curvinervia* (4, 10%), *Acacia leiocalyx* (2, 10%), *Alphitonia excelsa* (2, 10%), *Lophostemon confertus* (6, 10%), *Acacia falciformis* (2, 5%), *Acacia leptocarpa* (2, 5%), *Cupaniopsis anacardioides* (2, 5%), *Dodonaea viscosa* (1, 5%), *Eucalyptus crebra* (2, 5%), *Excoecaria agallocha* (2, 5%), *Grevillea banksii* (5, 5%), *Lophostemon suaveolens* (3, 5%), *Melaleuca nervosa* (10, 5%), *Petalostigma pubescens* (10, 5%), *Pogonolobus reticulatus* (1, 5%)

Stratum: S1

Height avg. = 2.1m, range 1-4m, 17 sites

Crown cover avg. = 8.0%, 1 site

Dominant species (relative cover, frequency): *Lophostemon confertus* (55, 29%), *Acacia julifera* subsp. *curvinervia* (27, 29%), *Alphitonia excelsa* (19, 33%), *Acacia disparrima* subsp. *disparrima* (14, 29%)

Frequent species (cover, frequency): *Alphitonia excelsa* (6, 33%), *Acacia disparrima* subsp. *disparrima* (3, 29%), *Acacia julifera* subsp. *curvinervia* (10, 29%), *Lophostemon confertus* (13, 29%), *Dodonaea lanceolata* var. *subsessilifolia* (8, 19%), *Eucalyptus* indet. (4, 14%), *Grevillea banksii* (6, 14%), *Lophostemon suaveolens* (11, 14%), *Petalostigma pubescens* (14, 14%), *Pogonolobus reticulatus* (3, 14%), *Acacia flavescens* (4, 10%), *Cyclophyllum coprosmoides* (2, 10%), *Exocarpos latifolius* (2, 10%), *Lantana camara** (11, 10%), *Melaleuca viridiflora* var. *viridiflora* (3, 10%), *Passiflora suberosa** (8, 10%), *Acacia* indet. (5, 5%), *Acacia juncifolia* (5%), *Acacia leiocalyx* (5, 5%), *Acacia leptocarpa* (5, 5%), *Acacia salicina* (2, 5%), *Alectryon connatus* (2, 5%), *Allocasuarina littoralis* (2, 5%), *Apocynaceae* indet. (2, 5%), *Breynia oblongifolia* (2, 5%), *Bursaria incana* (2, 5%), *Canthium* indet. (5%), *Cassia* indet. (5%), *Clematicissus opaca* (5, 5%), *Clerodendrum floribundum* (10, 5%), *Corymbia dallachiana* (5%), *Corymbia trachyphloia* (10, 5%), *Cupaniopsis anacardioides* (5%), *Dodonaea viscosa* (5, 5%), *Eucalyptus crebra* (5, 5%), *Eucalyptus exserta* (1, 5%), *Geijera salicifolia* (5%), *Jacksonia scoparia* (2, 5%), *Keraudrenia* indet. (2, 5%), *Leptospermum neglectum* (5, 5%), *Lithomyrtus obtusa* (5, 5%), *Marsdenia brevis* (2, 5%), *Melaleuca nervosa* (2, 5%), *Melaleuca* sp. (*Mt Wheeler P.I.Forster+ PIF13792*) (30, 5%), *Myoporum* indet. (2, 5%), *Pandanus tectorius* (2, 5%), *Parsonsia eucalyptophylla* (2, 5%), *Parsonsia* indet. (2, 5%), *Pouteria sericea* (2, 5%), *Psyrax oleifolia* (2, 5%), *Santalum* indet. (2, 5%)

Stratum: S2

Height avg. = 0.8m, range 0.6-1m, 2 sites

Crown cover avg. = 15.0%, 1 site

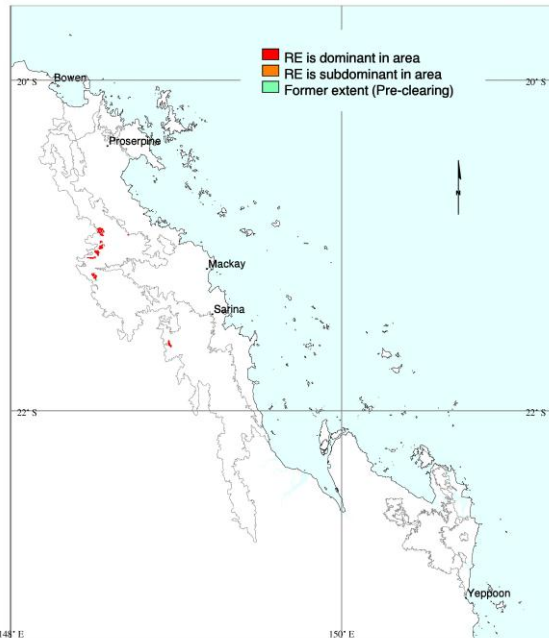
Frequent species (cover, frequency): *Gahnia aspera* (5%), *Cupaniopsis anacardioides* (2, 10%), *Acacia disparrima* subsp. *disparrima* (3, 5%), *Acacia leptocarpa* (5%), *Acacia salicina* (2, 5%), *Alyxia ruscifolia* (5%), *Alyxia spicata* (2, 5%), *Breynia oblongifolia* (2, 5%), *Clematicissus opaca* (5%), *Cryptostylis erecta* (5%), *Dodonaea lanceolata* var. *subsessilifolia* (2, 5%), *Ficus* indet. (5%), *Myoporum* indet. (10, 5%), *Pandanus tectorius* (5%), *Pittosporum spinescens* (1, 5%), *Santalum* indet. (2, 5%), *Trophis scandens* subsp. *scandens* (5%), *Xanthorrhoea latifolia* subsp. *latifolia* (9, 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, (only comprehensive sites used for ground stratum).

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

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

Eucalyptus grandis open-forest of wet uplands on Mesozoic to Proterozoic igneous rocks (predominantly granite)



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,737 3,488 93%

Species recorded: Total: 88; woody: 24; ground: 80; Avg. spp./site: 47.3; std dev.: 2.9, 3 site(s)

Basal area: Avg./site: 10.3 m²/ha, range: 9.5 - 11 m²/ha, std. deviation: 1 m²/ha, 3 site(s)

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

Representative sites: 19481, 19482, 19521.

Stratum: T1

Height avg. = 31.0m, range 28-35m, 3 sites
 Crown cover avg. = 91.0%, range 84.0-100.0%, 3 sites
 Stem density/ha avg. = 133, range 80-160, 3 sites
Dominant species (relative cover, frequency): Eucalyptus grandis (95, 100%), Corymbia intermedia (5, 100%)
Frequent species (cover, frequency): Corymbia intermedia (5, 100%), Eucalyptus grandis (86, 100%)

Stratum: T2

Height avg. = 16.3m, range 15-18m, 3 sites
 Crown cover avg. = 33.7%, range 18.0-52.0%, 3 sites
 Stem density/ha avg. = 307, range 120-440, 3 sites
Dominant species (relative cover, frequency): Livistona australis (58, 33%), Eucalyptus grandis (56, 33%), Corymbia intermedia (55, 100%), Lophostemon suaveolens (21, 33%)
Frequent species (cover, frequency): Corymbia intermedia (21, 100%), Eucalyptus grandis (10, 33%), Livistona australis (18, 33%), Lophostemon suaveolens (11, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 10.0%, range 6.0-12.0%, 3 sites

Stem density/ha avg. = 320, range 200-520, 3 sites

Dominant species (relative cover, frequency): Corymbia intermedia (94, 100%), Acacia melanoxylon (16, 33%), Banksia integrifolia subsp. integrifolia (2, 33%), Lophostemon suaveolens (1, 33%)

Frequent species (cover, frequency): Corymbia intermedia (10, 100%), Acacia melanoxylon (1, 33%), Banksia integrifolia subsp. integrifolia (33%), Lophostemon suaveolens (33%)

Stratum: S1

Height avg. = 1.4m, range 0.8-1.7m, 3 sites

Crown cover avg. = 16.0%, range 12.0-19.0%, 3 sites

Stem density/ha avg. = 5587, range 2240-9560, 3 sites

Dominant species (relative cover, frequency): Glochidion ferdinandi (36, 100%), Pteridium esculentum (24, 67%), Acacia melanoxylon (21, 33%), Triumfetta pilosa (15, 33%), Acronychia laevis (13, 67%)*

Frequent species (cover, frequency): Corymbia intermedia (1, 100%), Eucalyptus grandis (100%), Glochidion ferdinandi (6, 100%), Lantana camara (100%), Acronychia laevis (3, 67%), Allocasuarina torulosa (1, 67%), Jagera pseudorhus var. pseudorhus (1, 67%), Pteridium esculentum (5, 67%), Rhodomyrtus trineura subsp. trineura (1, 67%), Acacia melanoxylon (3, 33%), Acacia sp. (Bulburin W.J.McDonald 3208) (33%), Asclepias curassavica* (33%), Banksia integrifolia subsp. integrifolia (1, 33%), Callicarpa pedunculata (33%), Commersonia bartramia (33%), Glochidion ferdinandi var. pubens (33%), Guioa indet. (1, 33%), Litsea leefeana (33%), Livistona australis (33%), Lophostemon suaveolens (33%), Maclura cochinchinensis (1, 33%), Myrsine variabilis (1, 33%), Psychotria sp. (Shute Harbour L.J.Webb+ 7916) (33%), Triumfetta pilosa* (3, 33%)*

Stratum: G

Height avg. = 0.6m, range 0.3-0.9m, 3 sites

PFC avg. = 49.7%, range 28-73%, 3 sites

Dominant species (relative cover, frequency): Calochlaena dubia (42, 33%), Imperata cylindrica (14, 100%), Ottochloa nodosa (8, 100%), Pteridium esculentum (8, 100%), Panicum simile (8, 100%)

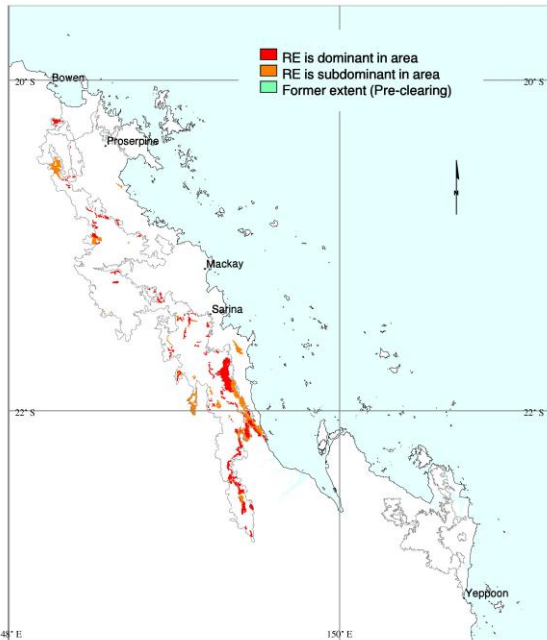
Frequent species (cover, frequency): GRAMINOIDS: Imperata cylindrica (8, 100%), Oplismenus burmannii (3, 100%), Ottochloa nodosa (4, 100%), Panicum simile (4, 100%), Cyperus laevis (67%), Cyperus scaber (67%), Oplismenus imbecillis (67%), Themeda triandra (2, 67%), Chrysopogon fallax (33%), Entolasia marginata (33%), Gahnia aspera (33%), Microlaena stipoides (2, 33%), Paspalidium distans (33%), Sorghum nitidum forma aristatum (2, 33%), Sporobolus jacquemontii (33%) FORBS: Desmodium gunnii (100%), Desmodium rhytidophyllum (2, 100%), Dianella caerulea (1, 100%), Eustrephus latifolius (100%), Glochidion ferdinandi (3, 100%), Glycine microphylla (100%), Hardenbergia violacea (1, 100%), Hibbertia scandens (2, 100%), Pteridium esculentum (3, 100%), Veronica plebeia (1, 100%), Acacia sp. (Bulburin W.J.McDonald 3208) (67%), Blechnum cartilagineum (2, 67%), Crassocephalum crepidioides* (67%), Crotalaria montana (1, 67%), Desmodium heterocarpon var. heterocarpon (67%), Glochidion ferdinandi var. pubens (67%), Glycine cyrtoloba (67%), Hybanthus stellarioides (67%), Lantana camara* (67%), Livistona australis (1, 67%), Maclura cochinchinensis (67%), Rhodomyrtus trineura subsp. trineura (67%), Sigesbeckia orientalis (67%), Smilax australis (1, 67%), Acronychia laevis (33%), Adiantum hispidulum var. hispidulum (33%), Allocasuarina torulosa (33%), Asclepias curassavica* (33%), Asteraceae indet. (33%), Boraginaceae indet. (1, 33%), Caladenia indet. (33%), Callicarpa pedunculata (33%), Calochlaena dubia (32, 33%), Cirsium vulgare* (33%), Cissus hypoglauca (33%), Clematis indet. (33%), Commelina indet. (33%), Cordyline murchisoniae (33%), Corymbia intermedia (33%), Desmodium varians (33%), Eucalyptus grandis (33%), Flemingia parviflora (33%), Geranium homeanum (1, 33%), Hydrocotyle acutiloba (33%), Jagera pseudorhus var. pseudorhus (33%), Lagenophora indet. (33%), Lichen indet. (33%), Lobelia purpurascens (1, 33%), Lomandra filiformis subsp. filiformis (33%), Lomandra hystrix (33%), Lomandra longifolia (33%), Lomandra multiflora (33%), Marsdenia lloydii (33%), Oxalis indet. (33%), Parsonia straminea (33%), Plantago debilis (33%), Pterostylis indet. (33%), Pycnospora lutescens (33%), Rostellularia indet. (33%), Rubus probus (33%), Senecio prenanthoides (1, 33%), Solanum indet. (33%), Triumfetta pilosa* (2, 33%), Viola hederacea (33%), Youngia japonica (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 and/or Eucalyptus portuensis (or E. exserta) low open-forest on steep upper slopes and spurs on Mesozoic to Proterozoic igneous rocks (subregions 1-3)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 29,951 29,171 97%

Species recorded: Total: 137; woody: 40; ground: 99; Avg. spp./site: 50.8; std dev.: 17.0, 4 site(s)

Basal area: Avg./site: 23.5 m²/ha, range: 17.0 - 35 m²/ha, std. deviation: 7 m²/ha, 4 site(s)

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

Representative sites: 36216, 36364, 36546, 36565.

Stratum: T1

Height avg. = 14.9m, range 8-27m, 4 sites

Crown cover avg. = 91.0%, range 82.0-100.0%, 4 sites

Stem density/ha avg. = 903, range 250-1600, 4 sites

Dominant species (relative cover, frequency): Corymbia trachyphloia (78, 50%), Lophostemon confertus (37, 50%), Eucalyptus acmenoides (37, 25%), Eucalyptus portuensis (35, 50%), Eucalyptus exserta (25, 25%)

Frequent species (cover, frequency): Corymbia trachyphloia (70, 50%), Eucalyptus melanophloia (4, 50%), Eucalyptus portuensis (31, 50%), Lophostemon confertus (38, 50%), Acacia spirorbis subsp. solandri (25%), Corymbia erythrophloia (25%), Corymbia intermedia (17, 25%), Eucalyptus acmenoides (30, 25%), Eucalyptus drepanophylla (8, 25%), Eucalyptus exserta (25, 25%), Eucalyptus tereticornis (25%), Polyscias elegans (25%)

Stratum: T2

Height avg. = 7.9m, range 4.5-14m, 4 sites

Crown cover avg. = 20.3%, range 1.0-46.0%, 4 sites

Stem density/ha avg. = 1214, range 240-3900, 4 sites

Dominant species (relative cover, frequency): Corymbia trachyphloia (51, 50%), Acacia falcata (48, 25%), Lophostemon confertus (43, 100%), Eucalyptus portuensis (32, 25%), Corymbia intermedia (10, 25%)

Frequent species (cover, frequency): Lophostemon confertus (8, 100%), Alphitonia excelsa (50%), Corymbia trachyphloia (4, 50%), Acacia falcata (22, 25%), Acacia spirorbis subsp. solandri (25%), Alphitonia oblata (25%), Corymbia intermedia (3, 25%), Dendrobium speciosum (25%), Eucalyptus acmenoides (4, 25%), Eucalyptus drepanophylla (2, 25%), Eucalyptus exserta (25%), Eucalyptus portuensis (9, 25%), Eucalyptus tereticornis (25%), Euroschinus falcatus (25%), Ficus rubiginosa (2, 25%), Lophostemon suaveolens (25%), Sterculia quadrifida (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, (only comprehensive sites used for ground stratum).

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

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

Stratum: S1

Height avg. = 1.7m, range 0.9-3m, 4 sites

Crown cover avg. = 17.3%, range 0.0-41.0%, 4 sites

Stem density/ha avg. = 1750, range 200-3400, 4 sites

Dominant species (relative cover, frequency): *Xanthorrhoea indet.* (56, 50%), *Lantana camara** (43, 50%), *Acacia fimbriata* (42, 25%), *Bursaria tenuifolia* (32, 25%), *Acacia falcata* (26, 25%)

Frequent species (cover, frequency): *Lantana camara** (5, 50%), *Lophostemon confertus* (50%), *Xanthorrhoea indet.* (20, 50%), *Acacia falcata* (5, 25%), *Acacia fimbriata* (8, 25%), *Acacia spirorbis subsp. solandri* (25%), *Alphitonia excelsa* (25%), *Alphitonia oblata* (1, 25%), *Alyxia ruscifolia* (25%), *Alyxia spicata* (25%), *Breynia oblongifolia* (25%), *Bursaria tenuifolia* (6, 25%), *Coelospermum paniculatum* (25%), *Corymbia trachyphloia* (25%), *Cryptocarya triplinervis* (25%), *Cycas media subsp. media* (25%), *Cyclophyllum coprosmoides* (25%), *Eucalyptus melanophloia* (25%), *Glochidion apodogynum* (25%), *Indigofera pratensis* (25%), *Jasminum didymum* (25%), *Paraserianthes toona* (25%), *Polyscias elegans* (25%), *Psychotria loniceroides* (25%)

Stratum: S2

Height avg. = 0.6m, range 0.4-0.8m, 2 sites

Crown cover avg. = 5.0%, range 1.0-9.0%, 2 sites

Stem density/ha avg. = 100, 1 site

Dominant species (relative cover, frequency): *Cycas media subsp. media* (100, 25%), *Xanthorrhoea latifolia subsp. latifolia* (86, 25%), *Breynia oblongifolia* (11, 25%), *Melichrus adpressus* (1, 25%), *Dodonaea lanceolata var. subsessilifolia* (1, 25%)

Frequent species (cover, frequency): *Breynia oblongifolia* (1, 25%), *Cassinia quinquefaria* (25%), *Cycas media subsp. media* (1, 25%), *Dodonaea lanceolata var. subsessilifolia* (25%), *Melichrus adpressus* (25%), *Xanthorrhoea latifolia subsp. latifolia* (8, 25%)

Stratum: G

Height avg. = 0.5m, range 0.3-0.7m, 4 sites

PFC avg. = 34.0%, range 6-69%, 4 sites

Dominant species (relative cover, frequency): *Arundinella nepalensis* (61, 25%), *Xanthorrhoea indet.* (36, 25%), *Sorghum nitidum forma aristatum* (36, 25%), *Melinis minutiflora** (26, 50%), *Poaceae indet.* (13, 25%)

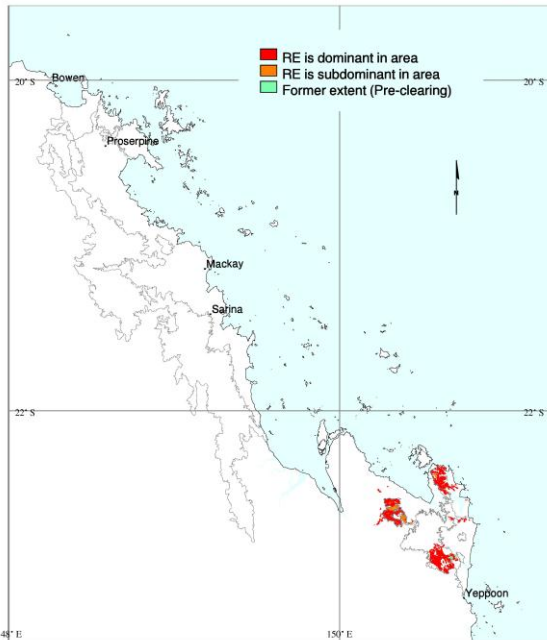
Frequent species (cover, frequency): **GRAMINOIDS:** *Digitaria parviflora* (100%), *Mnesithea rottboellioides* (3, 75%), *Oplismenus burmannii* (75%), *Paspalidium distans* (75%), *Scleria brownii* (75%), *Themeda triandra* (3, 75%), *Chrysopogon fallax* (2, 50%), *Eragrostis brownii* (1, 50%), *Eremochloa bimaculata* (4, 50%), *Fimbristylis dichotoma* (1, 50%), *Heteropogon triticeus* (1, 50%), *Lepidosperma laterale* (50%), *Melinis minutiflora** (19, 50%), *Panicum simile* (50%), *Abildgaardia ovata* (25%), *Aristida indet.* (1, 25%), *Aristida queenslandica var. queenslandica* (25%), *Aristida vagans* (25%), *Arundinella nepalensis* (4, 25%), *Cleistochloa subjuncea* (25%), *Cymbopogon queenslandicus* (1, 25%), *Cymbopogon refractus* (25%), *Cyperus indet.* (25%), *Cyperus scaber* (25%), *Entolasia stricta* (25%), *Fimbristylis polytrichoides* (25%), *Imperata cylindrica* (4, 25%), *Melinis repens** (25%), *Panicum effusum* (4, 25%), *Paspalidium gracile* (25%), *Poaceae indet.* (4, 25%), *Scleria indet.* (25%), *Sorghum nitidum forma aristatum* (26, 25%)

FORBS: *Desmodium rhytidophyllum* (100%), *Dianella caerulea* (100%), *Lomandra longifolia* (100%), *Crotalaria montana* (75%), *Emilia sonchifolia** (75%), *Glycine cyrtoloba* (75%), *Phyllanthus virgatus* (75%), *Acmella grandiflora var. brachyglossa* (50%), *Ageratum conyzoides* (50%), *Brunoniella australis* (50%), *Cissus hastata* (50%), *Desmodium triflorum** (50%), *Drynaria rigidula* (50%), *Eustrephus latifolius* (50%), *Flemingia parviflora* (50%), *Iphigenia indica* (50%), *Lomandra filiformis* (1, 50%), *Passiflora suberosa** (50%), *Poranthera microphylla* (50%), *Spermacoce indet.* (50%), *Uraria lagopodioides* (50%), *Aeschynomene brevifolia* (25%), *Aristolochia pubera* (25%), *Aristolochia thozetii* (25%), *Asclepias curassavica** (25%), *Bidens bipinnata** (25%), *Cassipourea filiformis* (25%), *Chamaecrista absus* (25%), *Cheilanthes sieberi* (25%), *Cheilanthes tenuifolia* (25%), *Clematicissus opaca* (25%), *Commelina lanceolata* (25%), *Conyza sumatrensis** (25%), *Crotalaria lanceolata subsp. lanceolata** (25%), *Curculigo ensifolia* (25%), *Cyanthillium cinereum* (25%), *Cynanchum bowmanii* (25%), *Drosera peltata* (25%), *Euchiton indet.* (25%), *Evolvulus alsinoides* (25%), *Galactia tenuiflora* (25%), *Glochidion apodogynum* (25%), *Gonocarpus acanthocarpus* (25%), *Hyptis suaveolens** (25%), *Lobelia quadrangularis* (1, 25%), *Melodinus australis* (25%), *Mitrasacme pygmaea* (25%), *Murdannia gigantea* (25%), *Oxalis chnoodes* (25%), *Passiflora aurantia var. aurantia* (25%), *Passiflora foetida** (25%), *Peripleura hispidula var. setosa* (25%), *Phyllanthus novae-hollandiae* (25%), *Sida rhombifolia** (25%), *Sigesbeckia orientalis* (25%), *Solanum seafortianum** (25%), *Stylidium eriorhizum* (25%), *Stylosanthes guianensis** (25%), *Synedrella nodiflora** (25%), *Tephrosia rufula* (25%), *Thecanthes cornucopiae* (25%), *Triumfetta rhomboidea** (25%), *Vigna radiata var. sublobata* (25%), *Xanthorrhoea indet.* (14, 25%), *Zornia dyctiocarpa var. filifolia* (25%), *Zornia indet.* (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, (only comprehensive sites used for ground stratum).

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

Eucalyptus portuensis and/or E. exserta and/or Corymbia trachyphloia and/or E. fibrosa +/- C. intermedia open-forest on Mesozoic to Proterozoic igneous rocks (subregion 4)



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 26,610 24,868 93%

Species recorded: Total: 234; woody: 116; ground: 154; Avg. spp./site: 33.3; std dev.: 8.3, 3 site(s)

Basal area: Not available

Structural formation: Woodland: 2%; unrecorded: 98%, 64 site(s)

Representative sites: 44134, 44135, 44136, 44137, 44138, 44148, 44152, 44157, 44158, 44200, 44204, 44205, 44207, 44217, 44268, 44269, 44270, 44321, 44322, 44331, 44332, 44338, 44339, 44340, 44341, 44342, 44343, 44344, 44458, 44459, 44460, 44461, 44463, 44490, 44492, 44495, 44496, 44497, 44499, 44503, 44512, 44513, 44519, 44520, 44521, 44522, 44523, 44529, 44530, 44531, 44533, 44541, 44544, 44549, 44550, 44553, 44555, 44610, 44632, 44669, 44705, 44980, 45031, 45034.

Stratum: E

Height avg. = 6.0m, 1 site

Frequent species (cover, frequency): *Brachychiton australis* (2%), *Euroschinus falcatus* (2%)

Stratum: T1

Height avg. = 13.2m, range 3-27m, 63 sites

Dominant species (relative cover, frequency): *Eucalyptus portuensis* (47, 73%), *Eucalyptus crebra* (33, 33%), *Corymbia trachyphloia* (29, 45%), *Corymbia intermedia* (25, 45%), *Eucalyptus exserta* (21, 28%)

Frequent species (cover, frequency): *Eucalyptus portuensis* (10, 73%), *Corymbia intermedia* (5, 45%), *Corymbia trachyphloia* (6, 45%), *Eucalyptus crebra* (6, 33%), *Eucalyptus exserta* (4, 28%), *Syncarpia glomulifera* (3, 20%), *Lophostemon confertus* (8, 14%), *Acacia aulacocarpa* (28, 13%), *Allocasuarina littoralis* (9, 8%), *Eucalyptus indet.* (6, 8%), *Eucalyptus suffulgens* (2, 5%), *Eucalyptus tereticornis* (1, 5%), *Grevillea banksii* (5, 5%), *Acacia julifera subsp. curvinervia* (5, 3%), *Corymbia clarksoniana* (2, 3%), *Corymbia erythrophloia* (3, 3%), *Lophostemon suaveolens* (1, 3%), *Acacia indet.* (23, 2%), *Allocasuarina torulosa* (12, 2%), *Corymbia dallachiana* (2, 2%), *Corymbia tessellaris* (2%), *Eucalyptus fibrosa subsp. fibrosa* (16, 2%), *Eucalyptus latisinensis* (4, 2%), *Eucalyptus platyphylla* (1, 2%), *Syncarpia glomulifera subsp. glomulifera* (4, 2%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 6.5m, range 2.5-14m, 53 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (57, 36%), Eucalyptus indet. (49, 30%), Acacia flavescens (42, 23%), Lophostemon confertus (30, 38%)

Frequent species (cover, frequency): Lophostemon confertus (7, 38%), Allocasuarina torulosa (13, 36%), Eucalyptus indet. (7, 30%), Acacia flavescens (9, 23%), Acacia aulacocarpa (8, 19%), Banksia integrifolia subsp. compar (3, 17%), Syncarpia glomulifera (4, 14%), Grevillea banksii (5, 13%), Allocasuarina littoralis (16, 11%), Planchonia careya (6, 9%), Alphitonia excelsa (3, 5%), Acacia crassa subsp. longicoma (2, 3%), Acacia indet. (5, 3%), Acacia julifera subsp. curvinervia (20, 3%), Acacia maidenii (2, 3%), Erythrina vespertilio (4, 3%), Eucalyptus crebra (5, 3%), Lophostemon suaveolens (4, 3%), Acacia falcata (2%), Acacia leiocalyx (20, 2%), Acacia penninervis (20, 2%), Acronychia laevis (2, 2%), Brachychiton bidwillii (5, 2%), Bursaria incana (10, 2%), Cryptocarya vulgaris (2%), Eucalyptus portuensis (2, 2%), Ficus indet. (2%), Jagera pseudorhus var. pseudorhus (5, 2%), Lantana camara (2, 2%), Livistona decora (2%), Melaleuca viridiflora var. viridiflora (2, 2%), Pandanus tectorius (5, 2%), Syncarpia glomulifera subsp. glomulifera (5, 2%), Synoum glandulosum (2, 2%)*

Stratum: T3

Height avg. = 3.3m, range 3-4m, 7 sites

Frequent species (cover, frequency): Grevillea banksii (2, 5%), Acacia aulacocarpa (15, 3%), Brachychiton bidwillii (4, 3%), Acacia fimbriata (5, 2%), Acacia flavescens (5, 2%), Acacia maidenii (10, 2%), Allocasuarina torulosa (5, 2%), Cryptocarya vulgaris (2, 2%), Hibiscus heterophyllus (2, 2%), Lophostemon confertus (2, 2%), Pandanus brookei (2%), Passiflora suberosa (20, 2%), Planchonia careya (5, 2%), Pouteria sericea (2%)*

Stratum: S1

Height avg. = 2.1m, range 1-4m, 53 sites

Dominant species (relative cover, frequency): Acacia aulacocarpa (29, 38%), Lophostemon confertus (28, 33%), Acacia flavescens (26, 38%), Grevillea banksii (24, 22%)

Frequent species (cover, frequency): Acacia aulacocarpa (8, 38%), Acacia flavescens (7, 38%), Lophostemon confertus (8, 33%), Grevillea banksii (4, 22%), Syncarpia glomulifera (4, 14%), Allocasuarina torulosa (3, 13%), Jacksonia scoparia (4, 13%), Acacia crassa subsp. longicoma (6, 11%), Xanthorrhoea latifolia subsp. latifolia (6, 11%), Allocasuarina littoralis (10, 9%), Alphitonia excelsa (3, 9%), Eucalyptus indet. (7, 9%), Planchonia careya (2, 9%), Acacia maidenii (3, 8%), Lantana camara (7, 8%), Banksia integrifolia subsp. compar (4, 6%), Daviesia umbellulata (4, 6%), Hovea indet. (2, 6%), Passiflora suberosa* (9, 6%), Pogonolobus reticulatus (2, 6%), Acacia julifera subsp. curvinervia (2, 5%), Brachychiton bidwillii (2, 5%), Hibiscus heterophyllus (3, 5%), Lophostemon suaveolens (2, 5%), Xanthorrhoea indet. (8, 5%), Acacia disparrima subsp. disparrima (13, 3%), Acrotriche aggregata (2, 3%), Alectryon connatus (2, 3%), Astrotricha intermedia (2, 3%), Banksia spinulosa (5, 3%), Breynia oblongifolia (1, 3%), Bursaria incana (2, 3%), Clematicissus opaca (4, 3%), Clerodendrum floribundum (1, 3%), Dodonaea lanceolata var. subsessilifolia (2, 3%), Eucalyptus crebra (4, 3%), Eustrephus latifolius (4, 3%), Ficus opposita (3%), Grevillea venusta (1, 3%), Leptospermum neglectum (8, 3%), Petalostigma pubescens (2, 3%), Pomaderris indet. (5, 3%), Pouteria sericea (4, 3%), Syzygium oleosum (3, 3%), Acacia fimbriata (2, 2%), Acacia leptocarpa (2, 2%), Alyxia ruscifolia (2, 2%), Babingtonia indet. (2, 2%), Bowenia serrulata (5, 2%), Chionanthus ramiflora (2%), Claoxylon tenerifolium (2%), Clerodendrum inerme (5, 2%), Comesperma esulifolium (2, 2%), Comesperma indet. (5, 2%), Comesperma oblongatum (2, 2%), Cupaniopsis anacardioides (2, 2%), Erythrina vespertilio (5, 2%), Eucalyptus portuensis (5, 2%), Ficus rubiginosa (2%), Glochidion lobocarpum (2, 2%), Grevillea parallela (2, 2%), Hardenbergia violacea (2, 2%), Helichrysum lanuginosum (2, 2%), Hovea longipes (10, 2%), Jagera pseudorhus var. pseudorhus (2, 2%), Jasminum didymum (2, 2%), Jasminum simplicifolium (2, 2%), Macrozamia miquelii (20, 2%), Mallotus mollissimus (5, 2%), Maytenus disperma (2%), Melaleuca nervosa (2%), Melaleuca sp. (Mt Wheeler P.I.Forster+ PIF13792) (5, 2%), Melodorum leichhardtii (2, 2%), Monotoca scoparia (2, 2%), Myrsine variabilis (2, 2%), Pandanus indet. (2, 2%), Pandanus tectorius (10, 2%), Pandorea pandorana (2, 2%), Persoonia amaliae (2, 2%), Pittosporum ferrugineum (2%), Pomaderris ferruginea (10, 2%), Psydrax lamprophylla (2, 2%), Psydrax oleifolia (5, 2%), Pultenaea indet. (2, 2%), Ricinocarpos ledifolius (2, 2%), Sarcostemma viminalis subsp. brunonianum (5, 2%), Secamone elliptica (2, 2%), Senna surattensis (2, 2%), Smilax glyciphylla (2, 2%), Xanthorrhoea johnsonii (20, 2%)*

Stratum: S2

Height avg. = 1.0m, 1 site

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

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

Stratum: G

Dominant species (relative cover, frequency): *Xanthorrhoea latifolia* subsp. *latifolia* (29, 33%), *Themeda triandra* (20, 100%), *Arundinella nepalensis* (16, 67%), *Cassytha pubescens* (11, 67%), *Daviesia umbellulata* (10, 33%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Themeda triandra* (17, 100%), *Arundinella nepalensis* (12, 67%), *Entolasia stricta* (5, 67%), *Scleria mackaviensis* (5, 67%), *Aristida* *indet.* (4, 33%), *Digitaria parviflora* (4, 33%), *Gahnia aspera* (33%), *Imperata cylindrica* (4, 33%), *Lepidosperma laterale* (33%), *Oplismenus aemulus* (33%), *Ottochloa nodosa* (33%), *Scleria* *indet.* (33%)

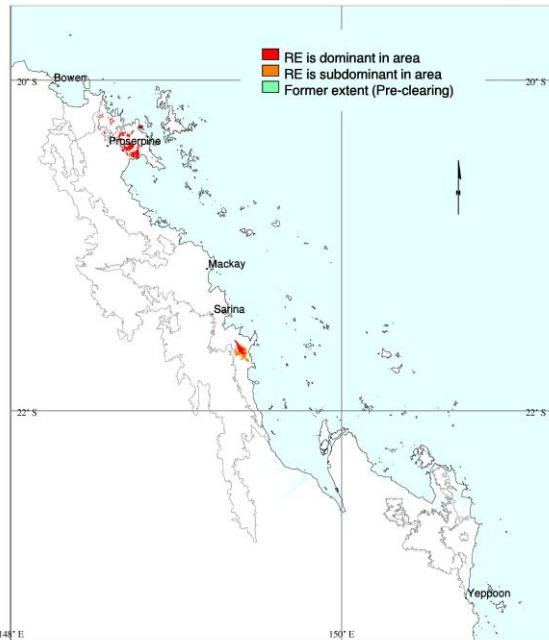
FORBS: *Eustrephus latifolius* (4, 100%), *Cassytha pubescens* (11, 67%), *Cheilanthes tenuifolia* (67%), *Desmodium rhytidophyllum* (3, 67%), *Dianella caerulea* (4, 67%), *Drynaria rigidula* (2, 67%), *Passiflora suberosa** (4, 67%), *Pteridium esculentum* (3, 67%), *Actites megalocarpus* (33%), *Adiantum hispidulum* (33%), *Astrotricha intermedia* (3, 33%), *Cissus repens* (5, 33%), *Clematicissus opaca* (33%), *Comesperma* *indet.* (33%), *Commelina diffusa* (33%), *Cyanthillium cinereum* (4, 33%), *Daviesia umbellulata* (11, 33%), *Dianella caerulea* var. *aquilonia* (4, 33%), *Dioscorea transversa* (33%), *Dockrillia bowmanii* (33%), *Doryopteris concolor* (33%), *Geodorum densiflorum* (33%), *Glochidion lobocarpum* (33%), *Grevillea venusta* (3, 33%), *Hibbertia velutina* (11, 33%), *Hovea clavata* (33%), *Hoya australis* (33%), *Lomandra longifolia* (5, 33%), *Macrozamia miquelii* (11, 33%), *Oxalis corniculata** (33%), *Peperomia blanda* var. *floribunda* (4, 33%), *Pogonolobus reticulatus* (33%), *Poranthera microphylla* (33%), *Smilax australis* (11, 33%), *Syzygium oleosum* (33%), *Tricoryne elatior* (33%), *Xanthorrhoea latifolia* subsp. *latifolia* (30, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 open-forest at low to moderate altitudes on near coastal hills on Mesozoic to Proterozoic igneous rocks (subregions 1 and 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 8,426 7,706 91%

Species recorded: Total: 104; woody: 62; ground: 48; Avg. spp./site: 47.0; std dev.: 12.0, 2 site(s)

Basal area: Avg./site: 15.3 m²/ha, range: 15.0 - 16 m²/ha, std. deviation: 0 m²/ha, 3 site(s)

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

Representative sites: 36106, 36128, 36287.

Stratum: T1

Height avg. = 20.5m, range 8.8-31.5m, 3 sites

Crown cover avg. = 58.7%, range 38.0-86.0%, 3 sites

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

Dominant species (relative cover, frequency): Eucalyptus portuensis (62, 100%), Lophostemon confertus (36, 67%), Corymbia intermedia (12, 100%), Eucalyptus drepanophylla (4, 33%)

Frequent species (cover, frequency): Corymbia intermedia (5, 100%), Eucalyptus portuensis (35, 100%), Lophostemon confertus (27, 67%), Acacia spirorbis subsp. solandri (33%), Corymbia dallachiana (33%), Eucalyptus drepanophylla (2, 33%)

Stratum: T2

Height avg. = 14.9m, range 14-15.7m, 2 sites

Crown cover avg. = 39.0%, range 36.0-42.0%, 2 sites

Stem density/ha avg. = 200, range 160-240, 2 sites

Dominant species (relative cover, frequency): Banksia integrifolia subsp. compar (44, 33%), Acacia aulacocarpa (33, 33%), Litsea fawcettiana (24, 33%), Acacia flavescens (22, 33%), Eucalyptus portuensis (17, 67%)

Frequent species (cover, frequency): Eucalyptus portuensis (6, 67%), Lophostemon confertus (6, 67%), Acacia aulacocarpa (14, 33%), Acacia flavescens (8, 33%), Allocasuarina littoralis (33%), Banksia integrifolia subsp. compar (16, 33%), Cymbidium indet. (33%), Ficus destruens (33%), Lepiderema punctulata (6, 33%), Litsea fawcettiana (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 6-8m, 2 sites

Crown cover avg. = 39.0%, range 38.0-40.0%, 2 sites

Stem density/ha avg. = 1000, range 440-1560, 2 sites

Dominant species (relative cover, frequency): *Banksia integrifolia* subsp. *compar* (60, 33%), *Acacia flavescens* (20, 67%), *Schefflera actinophylla* (13, 33%), *Lophostemon confertus* (10, 33%), *Atractocarpus fitzalanii* (10, 33%)

Frequent species (cover, frequency): *Acacia flavescens* (8, 67%), *Acacia aulacocarpa* (33%), *Acacia maidenii* (33%), *Atractocarpus fitzalanii* (4, 33%), *Banksia integrifolia* subsp. *compar* (24, 33%), *Cyclophyllum coprosmoides* (33%), *Diploglottis obovata* (33%), *Flindersia schottiana* (33%), *Glochidion lobocarpum* (4, 33%), *Lepiderema punctulata* (4, 33%), *Litsea fawcettiana* (4, 33%), *Lophostemon confertus* (4, 33%), *Mackinlaya macrosciadea* (33%), *Mallotus philippensis* (1, 33%), *Pittosporum ferrugineum* (4, 33%), *Polyscias australiana* (4, 33%), *Polyscias elegans* (33%), *Ptychosperma elegans* (33%), *Rourea brachyandra* (33%), *Schefflera actinophylla* (5, 33%), *Scolopia braunii* (4, 33%)

Stratum: S1

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

Crown cover avg. = 45.3%, range 20.0-81.0%, 3 sites

Stem density/ha avg. = 1920, range 1600-2240, 2 sites

Dominant species (relative cover, frequency): *Banksia integrifolia* subsp. *compar* (74, 33%), *Xanthorrhoea* indet. (41, 100%), *Atractocarpus fitzalanii* (19, 33%), *Schefflera actinophylla* (6, 33%), *Lepiderema punctulata* (6, 33%)

Frequent species (cover, frequency): *Xanthorrhoea* indet. (15, 100%), *Acacia flavescens* (67%), *Acacia leptocarpa* (67%), *Alphitonia excelsa* (67%), *Glochidion lobocarpum* (3, 67%), *Larsenaikia jardinei* (1, 67%), *Acacia multisiliqua* (1, 33%), *Acronychia laevis* (33%), *Alectryon tomentosus* (33%), *Allocasuarina littoralis* (33%), *Alyxia spicata* (33%), *Atractocarpus fitzalanii* (15, 33%), *Banksia integrifolia* subsp. *compar* (15, 33%), *Bursaria incana* (33%), *Callicarpa pedunculata* (33%), *Celtis paniculata* (33%), *Cissus penninervis* (4, 33%), *Coelospermum paniculatum* var. *paniculatum* (33%), *Cupaniopsis foveolata* (33%), *Cyclophyllum coprosmoides* (4, 33%), *Elaeodendron melanocarpum* (33%), *Eucalyptus portuensis* (33%), *Flindersia schottiana* (33%), *Geitonoplesium cymosum* (33%), *Hibbertia scandens* (4, 33%), *Lantana camara** (33%), *Lepiderema punctulata* (5, 33%), *Litsea fawcettiana* (33%), *Litsea leefeana* (33%), *Mackinlaya macrosciadea* (33%), *Melodinus australis* (4, 33%), *Melodorum leichhardtii* (33%), *Memecylon pauciflorum* (4, 33%), *Myrsine porosa* (33%), *Pittosporum ferrugineum* (4, 33%), *Planchonia careya* (1, 33%), *Pogonolobus reticulatus* (1, 33%), *Polyalthia nitidissima* (33%), *Polyscias australiana* (4, 33%), *Psychotria* indet. (33%), *Rourea brachyandra* (33%), *Schefflera actinophylla* (5, 33%), *Scolopia braunii* (4, 33%), *Smilax australis* (33%), *Tephrosia brachyodon* (2, 33%), *Tetrastigma nitens* (4, 33%), *Zanthoxylum brachyacanthum* (33%)

Stratum: S2

Height avg. = 1.3m, 1 site

Crown cover avg. = 50.0%, 1 site

Stem density/ha avg. = 800, 1 site

Dominant species (relative cover, frequency): *Xanthorrhoea* indet. (59, 33%), *Acrotriche aggregata* (30, 33%), *Banksia integrifolia* subsp. *compar* (10, 33%)

Frequent species (cover, frequency): *Acacia flavescens* (33%), *Acrotriche aggregata* (15, 33%), *Banksia integrifolia* subsp. *compar* (5, 33%), *Eucalyptus portuensis* (33%), *Homalanthus nutans* (33%), *Planchonia careya* (33%), *Pogonolobus reticulatus* (33%), *Xanthorrhoea* indet. (30, 33%)

Stratum: G

Height avg. = 0.3m, range 0.2-0.4m, 2 sites

PFC avg. = 12.0%, range 2-22%, 2 sites

Dominant species (relative cover, frequency): *Xanthorrhoea* indet. (82, 50%), *Litsea fawcettiana* (28, 50%), *Oplismenus* indet. (22, 50%), *Polyscias australiana* (17, 50%), *Poaceae* indet. (6, 50%)

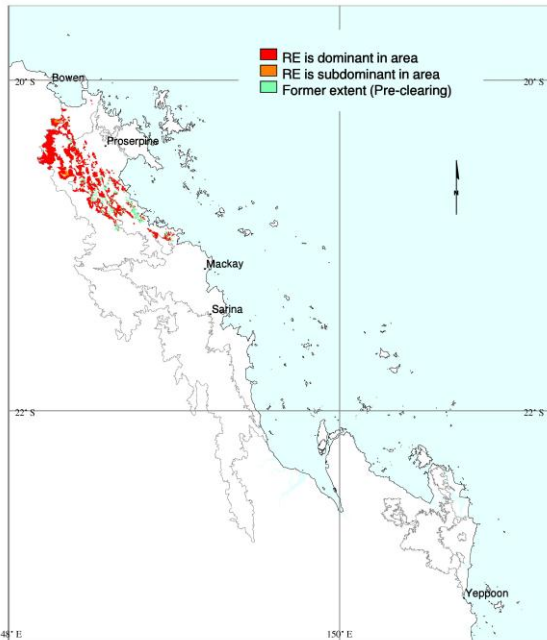
Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (100%), *Lepidosperma laterale* (100%), *Carex* indet. (50%), *Chionachne cyathopoda* (1, 50%), *Cleistochloa subjuncea* (50%), *Digitaria violascens** (50%), *Gahnia aspera* (50%), *Melinis minutiflora** (50%), *Mnesithea rottboellioides* (50%), *Oplismenus* indet. (1, 50%), *Paspalidium distans* (1, 50%), *Poaceae* indet. (50%), *Walwhalleya subxerophila* (50%)

FORBS: *Lomandra longifolia* (100%), *Asclepiadaceae* indet. (50%), *Dianella caerulea* (50%), *Dianella caerulea* var. *vannata* (50%), *Drynaria* indet. (50%), *Geitonoplesium cymosum* (50%), *Glochidion lobocarpum* (50%), *Hybanthus stellarioides* (50%), *Lindsaea ensifolia* subsp. *agatii* (50%), *Litsea fawcettiana* (1, 50%), *Lomandra confertifolia* subsp. *pallida* (50%), *Lomandra filiformis* (50%), *Melastoma malabathricum* subsp. *malabathricum* (50%), *Orchidaceae* indet. (50%), *Passiflora* indet. (50%), *Passiflora suberosa** (50%), *Phyllanthus virgatus* (50%), *Piper* indet. (50%), *Polyscias australiana* (1, 50%), *Psychotria* indet. (50%), *Pteridium esculentum* (50%), *Xanthorrhoea* indet. (19, 50%)

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

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

Eucalyptus drepanophylla and E. platyphylla woodland on low hills and foothills on Mesozoic to Proterozoic igneous rocks (subregions 2, 3 and 6)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 64,487 45,239 70%

Species recorded: Total: 167; woody: 39; ground: 142; Avg. spp./site: 56.9; std dev.: 4.9, 7 site(s)

Basal area: Avg./site: 15.8 m²/ha, range: 8.0 - 21 m²/ha, std. deviation: 4 m²/ha, 8 site(s)

Structural formation: Woodland: 50%; open-forest: 38%; closed-forest: 13%, 8 site(s)

Representative sites: 36424, 36605, 36606, 36625, 36626, 36627, 36647, 36891.

Stratum: E

Height avg. = 35.0m, 1 site

Crown cover avg. = 4.0%, 1 site

Stem density/ha avg. = 80, 1 site

Frequent species (cover, frequency): Eucalyptus drepanophylla (4, 13%)

Stratum: T1

Height avg. = 21.2m, range 16.5-30m, 8 sites

Crown cover avg. = 51.5%, range 23.0-87.0%, 8 sites

Stem density/ha avg. = 136, range 80-200, 6 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (65, 100%), Eucalyptus platyphylla (39, 50%), Corymbia clarksoniana (19, 25%), Corymbia dallachiana (4, 38%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (31, 100%), Eucalyptus platyphylla (27, 50%), Corymbia dallachiana (3, 38%), Corymbia clarksoniana (16, 25%), Corymbia tessellaris (13%), Eucalyptus tereticornis (5, 13%), Melaleuca viridiflora var. viridiflora (13, 13%), Paraserianthes toona (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 10.8m, range 6-18m, 8 sites

Crown cover avg. = 14.9%, range 0.0-41.0%, 8 sites

Stem density/ha avg. = 854, range 150-2720, 5 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (72, 50%), Melaleuca viridiflora var. viridiflora (33, 38%), Corymbia clarksoniana (28, 75%), Corymbia dallachiana (25, 75%), Lophostemon suaveolens (20, 25%)

Frequent species (cover, frequency): Corymbia clarksoniana (2, 75%), Corymbia dallachiana (6, 75%), Eucalyptus platyphylla (4, 63%), Eucalyptus drepanophylla (9, 50%), Melaleuca viridiflora var. viridiflora (4, 38%), Lophostemon suaveolens (1, 25%), Acacia spirorbis subsp. solandri (13%), Alphitonia excelsa (13%), Corymbia tessellaris (13%), Melaleuca nervosa (13%)

Stratum: T3

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

Crown cover avg. = 11.3%, range 2.0-22.0%, 4 sites

Stem density/ha avg. = 620, range 400-900, 3 sites

Dominant species (relative cover, frequency): Planchonia careya (58, 38%), Eucalyptus drepanophylla (29, 38%), Corymbia dallachiana (16, 25%), Corymbia clarksoniana (1, 38%), Acacia leptocarpa (1, 25%)

Frequent species (cover, frequency): Corymbia clarksoniana (38%), Eucalyptus drepanophylla (3, 38%), Planchonia careya (8, 38%), Acacia leptocarpa (25%), Corymbia dallachiana (2, 25%), Acacia bidwillii (13%), Erythrina vespertilio (1, 13%), Eucalyptus platyphylla (3, 13%), Glochidion lobocarpum (13%), Paraserianthes toona (13%), Timonius timon var. timon (5, 13%)

Stratum: S1

Height avg. = 1.6m, range 1-2m, 8 sites

Crown cover avg. = 6.6%, range 0.0-15.0%, 8 sites

Stem density/ha avg. = 974, range 80-1600, 7 sites

Dominant species (relative cover, frequency): Melaleuca viridiflora var. viridiflora (49, 25%), Planchonia careya (27, 75%), Alphitonia excelsa (13, 38%), Eucalyptus platyphylla (12, 63%), Lantana camara (11, 88%)*

Frequent species (cover, frequency): Lantana camara (1, 88%), Planchonia careya (1, 75%), Eucalyptus platyphylla (1, 63%), Acacia leptocarpa (50%), Corymbia clarksoniana (50%), Alphitonia excelsa (1, 38%), Glochidion lobocarpum (38%), Cycas media subsp. media (2, 25%), Ficus opposita (25%), Indigofera pratensis (25%), Maytenus disperma (25%), Melaleuca viridiflora var. viridiflora (5, 25%), Acacia bidwillii (1, 13%), Acacia holosericea (2, 13%), Acacia spirorbis subsp. solandri (3, 13%), Bidens pilosa* (5, 13%), Capparis canescens (13%), Clerodendrum floribundum (13%), Corymbia dallachiana (13%), Corymbia tessellaris (13%), Eucalyptus drepanophylla (1, 13%), Euroschinus falcatus (13%), Glochidion apodogynum (13%), Hibiscus divaricatus (2, 13%), Mallotus philippensis (13%), Melaleuca nervosa (1, 13%), Paraserianthes toona (13%), Pittosporum ferrugineum (13%), Sida cordifolia* (1, 13%), Sida rhombifolia* (13%), Triumfetta rhomboidea* (5, 13%), Urena lobata* (13%)*

Stratum: S2

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

Crown cover avg. = 2.0%, range 0.0-5.0%, 3 sites

Stem density/ha avg. = 340, range 100-760, 3 sites

Dominant species (relative cover, frequency): Xanthorrhoea indet. (77, 25%), Pogonolobus reticulatus (4, 25%)

Frequent species (cover, frequency): Pogonolobus reticulatus (25%), Xanthorrhoea indet. (3, 25%), Alphitonia excelsa (13%), Capparis canescens (13%), Corymbia clarksoniana (13%), Cycas media subsp. media (13%), Eucalyptus drepanophylla (13%), Lantana camara (13%), Planchonia careya (13%), Wikstroemia indica (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 0.3-1m, 6 sites

PFC avg. = 62.1%, range 35-87%, 7 sites

Dominant species (relative cover, frequency): Themeda triandra (24, 86%), Mnesithea rottboellioides (17, 100%), Heteropogon triticeus (15, 86%), Sorghum nitidum forma aristatum (11, 43%), Eremochloa bimaculata (10, 43%)

Frequent species (cover, frequency): GRAMINOIDS: Heteropogon contortus (5, 100%), Mnesithea rottboellioides (9, 100%), Scleria brownii (2, 100%), Heteropogon triticeus (13, 86%), Panicum effusum (1, 86%), Themeda triandra (18, 86%), Abildgaardia ovata (71%), Chrysopogon fallax (3, 71%), Fimbristylis dichotoma (71%), Paspalidium distans (57%), Aristida utilis var. utilis (3, 43%), Capillipedium spicigerum (43%), Eragrostis spartinoides (2, 43%), Eremochloa bimaculata (5, 43%), Fimbristylis polytrichoides (43%), Melinis repens (43%), Paspalum scrobiculatum (43%), Sorghum nitidum forma aristatum (10, 43%), Sporobolus jacquemontii* (43%), Aristida queenslandica var. queenslandica (29%), Bothriochloa bladhii subsp. bladhii (29%), Digitaria parviflora (2, 29%), Imperata cylindrica (4, 29%), Scleria indet. (29%), Alloteropsis semialata (14%), Aristida gracilipes (14%), Bothriochloa indet. (14%), Dichanthium indet. (14%), Digitaria longiflora (14%), Eragrostis brownii (14%), Fimbristylis cinnamometorum (1, 14%), Hyparrhenia rufa* (1, 14%), Paspalidium gausum (14%), Rhynchospora heterochaeta (14%), Schizachyrium indet. (14%), Schizachyrium pseudelulalia (10, 14%), Sehima nervosum (1, 14%), Sporobolus indet. (14%), Themeda quadrivalvis* (14%)*

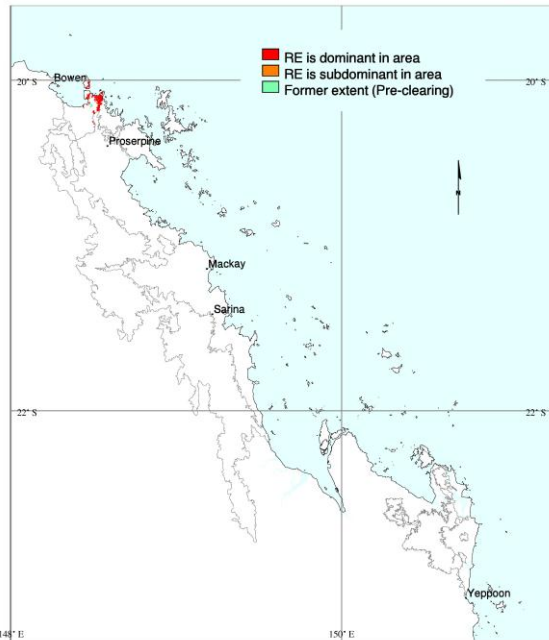
FORBS: Flemingia parviflora (100%), Crotalaria montana (86%), Cyanthillium cinereum (86%), Emilia sonchifolia (86%), Glycine cyrtoloba (86%), Desmodium rhytidophyllum (1, 71%), Dianella longifolia (71%), Phyllanthus virgatus (71%), Pycnospora lutescens (1, 71%), Aristolochia thozetii (57%), Desmodium pullenii (57%), Glycine tomentella (57%), Leucas lavandulifolia* (57%), Lomandra longifolia (57%), Lomandra multiflora (57%), Mitrasacme connata (57%), Mitrasacme pygmaea (57%), Pterocaulon sphacelatum (57%), Spermacoce indet. (57%), Thecanthes cornucopiae (57%), Zornia muriculata subsp. angustata (57%), Ageratum conyzoides (1, 43%), Blumea saxatilis (43%), Cassytha filiformis (43%), Chamaesyce hirta* (43%), Cheilanthes tenuifolia (43%), Dianella caerulea (43%), Eustrephus latifolius (43%), Fabaceae indet. (43%), Galactia tenuiflora (1, 43%), Grewia retusifolia (43%), Pandorea pandorana (43%), Passiflora foetida* (43%), Poranthera microphylla (43%), Triumfetta rhomboidea* (43%), Anisomeles malabarica (29%), Commelina lanceolata (29%), Desmodium triflorum* (29%), Iphigenia indica (29%), Lindernia crustacea (29%), Murdannia graminea (29%), Passiflora suberosa* (29%), Pogonolobus reticulatus (29%), Sida rhombifolia* (29%), Stylosanthes scabra* (29%), Tephrosia filipes (29%), Xanthorrhoea indet. (7, 29%), Abolmoschus moschatus (14%), Aeschynomene villosa* (14%), Alysicarpus schomburgkii (14%), Alysicarpus vaginalis* (14%), Aristolochia pubera (14%), Bidens pilosa* (14%), Blumea tenella (14%), Brunoniella acaulis (14%), Buchnera linearis (14%), Centrosema molle* (14%), Chamaecrista mimosoides (14%), Cheilanthes caudata (14%), Cheilanthes nudiuscula (14%), Clematicissus opaca (14%), Clerodendrum floribundum (14%), Corymbia dallachiana (14%), Desmodium heterocarpon var. strigosum (14%), Drynaria rigidula (14%), Emilia sonchifolia var. sonchifolia* (14%), Eucalyptus drepanophylla (14%), Euroschinus falcatus (14%), Ficus indet. (14%), Ficus opposita (14%), Flemingia lineata (14%), Glycine indet. (14%), Haloragis aspera (14%), Hybanthus stellarioides (14%), Jagera pseudorhus var. pseudorhus (14%), Lantana camara* (14%), Leucas decedentata (14%), Marsdenia microlepis (14%), Melaleuca viridiflora var. viridiflora (14%), Merremia quinata (14%), Mitracarpus hirtus* (14%), Murdannia gigantea (14%), Neptunia gracilis forma gracilis (14%), Oldenlandia mitrasacmoides subsp. trachymenoides (14%), Ophioglossum reticulatum (14%), Oxalis chnoodes (14%), Planchonia careya (14%), Polygala exsuarrosa (14%), Sauropus albiflorus (14%), Sigesbeckia orientalis (14%), Stachytarpheta jamaicensis* (14%), Synedrella nodiflora* (14%), Tephrosia juncea (14%), Trema tomentosa var. aspera (14%), Uraria lagopodioides (14%), Uraria picta (14%), Wikstroemia indica (14%), Zornia dyctiocarpa var. filifolia (14%), Zornia muriculata subsp. muriculata (14%)*

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

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

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

Eucalyptus drepanophylla woodland with grassy or Xanthorrhoea sp. understorey on low to medium hills on Mesozoic to Proterozoic igneous rocks (subregion 1 and 6)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 4,221 3,771 89%

Species recorded: Total: 155; woody: 43; ground: 130; Avg. spp./site: 65.0; std dev.: 16.6, 3 site(s)

Basal area: Avg./site: 8.0 m²/ha, range: 1.0 - 14 m²/ha, std. deviation: 5 m²/ha, 5 site(s)

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

Representative sites: 19484, 36146, 36164, 36184, 36185.

Stratum: T1

Height avg. = 11.0m, range 8-13m, 5 sites

Crown cover avg. = 33.0%, range 7.0-57.0%, 5 sites

Stem density/ha avg. = 730, range 360-1100, 2 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (96, 100%), Corymbia clarksoniana (5, 60%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (32, 100%), Corymbia clarksoniana (2, 60%), Canarium australasicum (20%), Corymbia dallachiana (1, 20%), Melaleuca viridiflora var. viridiflora (20%)

Stratum: T2

Height avg. = 6.8m, range 2-11m, 5 sites

Crown cover avg. = 18.0%, range 3.0-37.0%, 5 sites

Stem density/ha avg. = 5400, range 600-10200, 2 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (72, 100%), Euroschinus falcatus (6, 40%), Alphitonia excelsa (6, 40%), Corymbia dallachiana (5, 40%), Corymbia clarksoniana (3, 40%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (10, 100%), Alphitonia excelsa (1, 40%), Corymbia clarksoniana (1, 40%), Corymbia dallachiana (1, 40%), Euroschinus falcatus (1, 40%), Acacia bidwillii (1, 20%), Acacia julifera subsp. julifera (26, 20%), Acacia leptostachya (6, 20%), Acacia simsii (20%), Acacia spirorbis subsp. solandri (20%), Alyxia spicata (20%), Antidesma parvifolium (20%), Cassytha pubescens (20%), Flueggea virosa (20%), Grewia graniticola (20%), Lantana camara (20%), Maytenus disperma (20%), Xanthorrhoea indet. (20%)*

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 4.8m, range 4-5.7m, 4 sites

Crown cover avg. = 6.5%, range 0.0-12.0%, 4 sites

Stem density/ha avg. = 480, range 280-680, 2 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (61, 80%), Alphitonia excelsa (32, 40%), Erythrina vespertilio (18, 40%), Corymbia dallachiana (5, 40%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (6, 80%), Alphitonia excelsa (1, 40%), Corymbia dallachiana (1, 40%), Erythrina vespertilio (40%), Amyema conspicua subsp. conspicua (20%), Canarium australasicum (1, 20%), Corymbia clarksoniana (1, 20%), Corymbia tessellaris (20%), Euroschinus falcatus (20%)

Stratum: S1

Height avg. = 2.1m, range 1.5-3.25m, 4 sites

Crown cover avg. = 9.5%, range 7.0-14.0%, 4 sites

Stem density/ha avg. = 360, range 240-480, 2 sites

Dominant species (relative cover, frequency): Lantana camara (47, 40%), Flueggea virosa (24, 80%), Alphitonia excelsa (13, 80%), Psydrax odorata (13, 40%), Maytenus disperma (12, 40%)*

Frequent species (cover, frequency): Alphitonia excelsa (1, 80%), Flueggea virosa (2, 80%), Acacia leptocarpa (1, 60%), Acacia bidwillii (40%), Bursaria incana (1, 40%), Lantana camara (6, 40%), Maytenus disperma (1, 40%), Psydrax odorata (1, 40%), Tabernaemontana orientalis (40%), Albizia procera (1, 20%), Amyema conspicua subsp. conspicua (20%), Antidesma parvifolium (20%), Diospyros indet. (20%), Erythrina vespertilio (20%), Euroschinus falcatus (20%), Ganophyllum falcatum (20%), Lophostemon grandiflorus (2, 20%), Senna gaudichaudii (20%), Xanthorrhoea indet. (2, 20%)*

Stratum: S2

Height avg. = 1.0m, range 0.55-1.8m, 4 sites

Crown cover avg. = 24.3%, range 4.0-49.0%, 4 sites

Stem density/ha avg. = 780, range 40-1520, 2 sites

Dominant species (relative cover, frequency): Lantana camara (26, 80%), Flueggea virosa (26, 80%), Indigofera pratensis (18, 40%), Grewia retusifolia (14, 80%), Breynia oblongifolia (7, 40%)*

Frequent species (cover, frequency): Flueggea virosa (7, 80%), Grewia retusifolia (1, 80%), Lantana camara (8, 80%), Breynia oblongifolia (1, 40%), Indigofera pratensis (4, 40%), Maytenus disperma (40%), Tabernaemontana orientalis (40%), Abrus precatorius (20%), Acacia leptocarpa (1, 20%), Albizia procera (20%), Alphitonia excelsa (1, 20%), Antidesma parvifolium (20%), Bursaria incana (20%), Cassytha pubescens (20%), Ficus opposita (20%), Geijera salicifolia (20%), Indigofera hirsuta (20%), Jasminum didymum (20, 20%), Psydrax odorata (20%), Secamone elliptica (20%), Senna gaudichaudii (20%), Sterculiaceae indet. (20%), Trema tomentosa (20%), Xanthorrhoea indet. (5, 20%)*

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

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

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

Stratum: G

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

PFC avg. = 51.3%, range 34-70%, 3 sites

*Dominant species (relative cover, frequency): Stachytarpheta jamaicensis** (30, 67%), *Eriachne indet.* (29, 33%), *Lomandra longifolia* (14, 67%), *Heteropogon triticeus* (13, 67%), *Panicum larcomianum* (8, 67%)

Frequent species (cover, frequency): GRAMINOIDS: Chrysopogon fallax (100%), *Mnesithea rottboellioides* (100%), *Scleria brownii* (1, 100%), *Aristida utilis* var. *utilis* (2, 67%), *Bothriochloa bladhii* subsp. *bladhii* (67%), *Digitaria brownii* (1, 67%), *Digitaria parviflora* (67%), *Eragrostis brownii* (1, 67%), *Heteropogon contortus* (2, 67%), *Heteropogon triticeus* (4, 67%), *Panicum larcomianum* (4, 67%), *Paspalidium gracile* (67%), *Abildgaardia ovata* (33%), *Alloteropsis semialata* (2, 33%), *Aristida gracilipes* (33%), *Aristida ingrata* (33%), *Aristida personata* (1, 33%), *Aristida queenslandica* var. *dissimilis* (33%), *Bothriochloa pertusa** (33%), *Capillipedium spicigerum* (33%), *Cymbopogon bombycinus* (1, 33%), *Cyperus scaber* (33%), *Dichanthium sericeum* subsp. *sericeum* (33%), *Digitaria nematostachya* (33%), *Enneapogon lindleyanus* (33%), *Eriachne indet.* (16, 33%), *Fimbristylis cinnamometorum* (33%), *Fimbristylis dichotoma* (33%), *Gahnia aspera* (1, 33%), *Melinis repens** (33%), *Mnesithea formosa* (33%), *Panicum effusum* (33%), *Panicum simile* (1, 33%), *Paspalidium distans* (33%), *Poaceae indet.* (1, 33%), *Sarga leiocladum* (33%), *Sorghum nitidum* forma *aristatum* (2, 33%), *Sporobolus jacquemontii** (33%), *Thaumastochloa indet.* (33%), *Themeda triandra* (2, 33%)

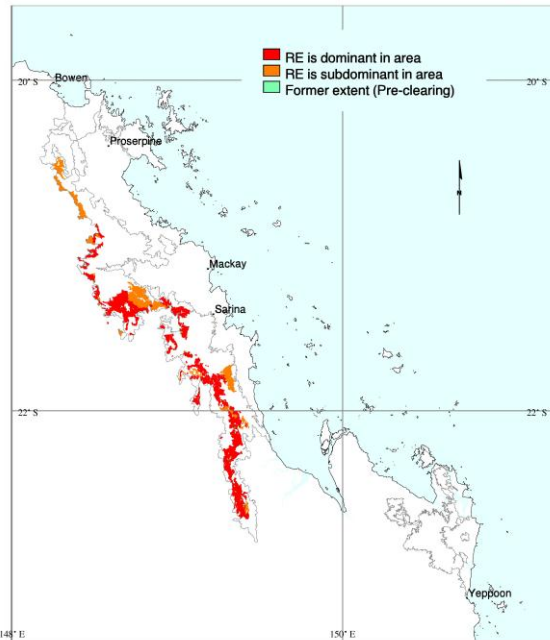
FORBS: Cyathillium cinereum (100%), *Galactia tenuiflora* (1, 100%), *Abelmoschus moschatus* (67%), *Aristolochia pubera* (67%), *Bidens bipinnata** (67%), *Chamaecrista absus* (67%), *Clematicissus opaca* (67%), *Desmodium pullenii* (67%), *Desmodium rhytidophyllum* (67%), *Lomandra longifolia* (5, 67%), *Pandorea pandorana* (67%), *Pterocaulon indet.* (67%), *Pycnospora lutescens* (67%), *Sida cordifolia** (1, 67%), *Spermacoce indet.* (67%), *Stachytarpheta jamaicensis** (14, 67%), *Stylosanthes scabra** (67%), *Tephrosia juncea* (67%), *Vigna* sp. (Station Creek R.J.Lawn CQ3284) (67%), *Acacia leptostachya* (33%), *Acacia simsii* (1, 33%), *Aeschynomene brevifolia* (33%), *Alphitonia excelsa* (33%), *Alyxia spicata* (33%), *Anisomeles malabarica* (33%), *Cajanus scarabaeoides* var. *scarabaeoides* (33%), *Cassytha pubescens* (33%), *Cheilanthes nudiuscula* (33%), *Commelina ensifolia* (33%), *Commelina lanceolata* (33%), *Corymbia clarksoniana* (33%), *Crotalaria calycina* (33%), *Crotalaria goreensis** (33%), *Crotalaria montana* (33%), *Curculigo ensifolia* (33%), *Dianella longifolia* (33%), *Eucalyptus drepanophylla* (1, 33%), *Euroschinus falcatus* (33%), *Eustrephus latifolius* (33%), *Evolvulus alsinoides* (33%), *Flemingia parviflora* (33%), *Flueggea virosa* (33%), *Glycine cyrtoloba* (33%), *Grewia graniticola* (33%), *Grewia retusifolia* (1, 33%), *Hybanthus enneaspermus* (33%), *Hybanthus indet.* (33%), *Indigofera hirsuta* (33%), *Iphigenia indica* (33%), *Ipomoea plebeia* (33%), *Lantana camara** (1, 33%), *Lomandra multiflora* (1, 33%), *Macrotyloma uniflorum** (1, 33%), *Melhanian oblongifolia* (33%), *Mukia maderaspatana* (33%), *Murdannia graminea* (33%), *Oxalis radicata* (33%), *Passiflora suberosa** (33%), *Phyllanthus virgatus* (33%), *Pogonolobus reticulatus* (33%), *Psydrax odorata* (33%), *Rhynchosia minima* (33%), *Rostellularia indet.* (2, 33%), *Senna gaudichaudii* (33%), *Sida rhombifolia** (33%), *Sida spinosa** (33%), *Spermacoce brachystema* (33%), *Stylosanthes hamata** (33%), *Tephrosia filipes* (33%), *Thecanthes cornucopiae* (33%), *Triumfetta rhomboidea** (1, 33%), *Tylophora indet.* (33%), *Vigna radiata* var. *sublobata* (33%), *Wahlenbergia gracilis* (33%), *Xanthorrhoea indet.* (33%), *Xenostegia tridentata* (33%), *Zornia dyctiocarpa* var. *filifolia* (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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, Eucalyptus portuensis +/- C. trachyphloia +/- C. intermedia open-forest on hills on Mesozoic to Proterozoic igneous rocks (subregion 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 105,810 101,745 96%

Species recorded: Total: 105; woody: 25; ground: 94; Avg. spp./site: 31.2; std dev.: 6.5, 6 site(s)

Basal area: Avg./site: 15.1 m²/ha, range: 6.5 - 25 m²/ha, std. deviation: 8 m²/ha, 6 site(s)

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

Representative sites: 19240, 19411, 19442, 32651, 37008, 37031.

Stratum: T1

Height avg. = 17.6m, range 12-27m, 6 sites
 Crown cover avg. = 51.0%, range 20.0-93.0%, 6 sites
 Stem density/ha avg. = 270, range 80-520, 6 sites

Dominant species (relative cover, frequency): Corymbia citriodora (56, 100%), Eucalyptus portuensis (42, 67%), Corymbia trachyphloia (15, 50%), Eucalyptus drepanophylla (4, 67%)

Frequent species (cover, frequency): Corymbia citriodora (24, 100%), Eucalyptus drepanophylla (2, 67%), Eucalyptus portuensis (24, 67%), Corymbia trachyphloia (7, 50%), Corymbia intermedia (20, 17%), Eucalyptus acmenoides (2, 17%)

Stratum: T2

Height avg. = 10.4m, range 6-18m, 5 sites
 Crown cover avg. = 26.2%, range 3.0-52.0%, 5 sites
 Stem density/ha avg. = 300, range 100-480, 5 sites

Dominant species (relative cover, frequency): Corymbia trachyphloia (66, 50%), Corymbia citriodora (37, 50%), Eucalyptus drepanophylla (20, 67%), Eucalyptus portuensis (14, 83%)

Frequent species (cover, frequency): Eucalyptus portuensis (5, 83%), Eucalyptus drepanophylla (3, 67%), Corymbia citriodora (4, 50%), Corymbia trachyphloia (14, 50%), Corymbia intermedia (17%), Lophostemon confertus (12, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 4.9m, range 1.7-8m, 2 sites

Crown cover avg. = 8.5%, range 0.0-17.0%, 2 sites

Stem density/ha avg. = 600, range 560-640, 2 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (12, 33%), Corymbia citriodora (5, 33%)

Frequent species (cover, frequency): Corymbia citriodora (33%), Eucalyptus drepanophylla (1, 33%), Acacia bidwillii (17%), Acacia leptocarpa (17%), Acacia melanoxylon (17%), Allocasuarina littoralis (17%), Corymbia trachyphloia (15, 17%), Cycas media subsp. media (17%), Lophostemon confertus (17%), Lophostemon suaveolens (17%), Tephrosia purpurea var. sericea (17%), Xanthorrhoea latifolia subsp. latifolia (17%)

Stratum: S1

Height avg. = 1.2m, range 0.8-1.5m, 5 sites

Crown cover avg. = 6.0%, range 3.0-10.0%, 5 sites

Stem density/ha avg. = 1045, range 280-1760, 4 sites

Dominant species (relative cover, frequency): Xanthorrhoea latifolia subsp. latifolia (51, 33%), Xanthorrhoea indet. (38, 50%), Corymbia trachyphloia (21, 50%), Eucalyptus drepanophylla (19, 33%), Corymbia citriodora (13, 67%)

Frequent species (cover, frequency): Corymbia citriodora (1, 67%), Corymbia trachyphloia (1, 50%), Eucalyptus portuensis (1, 50%), Xanthorrhoea indet. (2, 50%), Allocasuarina littoralis (33%), Eucalyptus drepanophylla (2, 33%), Persoonia amaliae (33%), Xanthorrhoea latifolia subsp. latifolia (3, 33%), Acacia indet. (17%), Acacia leptocarpa (17%), Breynia oblongifolia (17%), Bursaria incana (17%), Cyathillium cinereum (17%), Cycas media (1, 17%), Eucalyptus acmenoides (2, 17%), Exocarpos cupressiformis (1, 17%), Indigofera indet. (17%), Jacksonia indet. (1, 17%), Lophostemon confertus (17%)

Stratum: G

Height avg. = 0.3m, range 0.1-0.7m, 6 sites

PFC avg. = 45.3%, range 17-65%, 6 sites

Dominant species (relative cover, frequency): Eremochloa bimaculata (39, 50%), Themeda triandra (31, 100%), Xanthorrhoea indet. (15, 33%), Xanthorrhoea latifolia subsp. latifolia (10, 33%), Chrysopogon fallax (8, 33%)

Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (14, 100%), Heteropogon triticeus (2, 83%), Eremochloa bimaculata (14, 50%), Heteropogon contortus (50%), Chrysopogon fallax (2, 33%), Fimbristylis dichotoma (3, 33%), Imperata cylindrica (1, 33%), Lepidosperma laterale var. laterale (33%), Mnesithea rottboellioides (1, 33%), Poaceae indet. (2, 33%), Aristida calycina (5, 17%), Aristida indet. (7, 17%), Aristida personata (17%), Aristida utilis (17%), Capillipedium indet. (17%), Capillipedium spicigerum (17%), Digitaria indet. (17%), Digitaria minima (17%), Eragrostis brownii (17%), Eragrostis indet. (1, 17%), Leptochloa indet. (1, 17%), Panicum effusum (17%), Panicum effusum var. effusum (17%), Panicum simile (1, 17%), Paspalidium distans (1, 17%), Sarga leiocladum (2, 17%), Scleria indet. (17%), Sorghum nitidum forma aristatum (3, 17%)

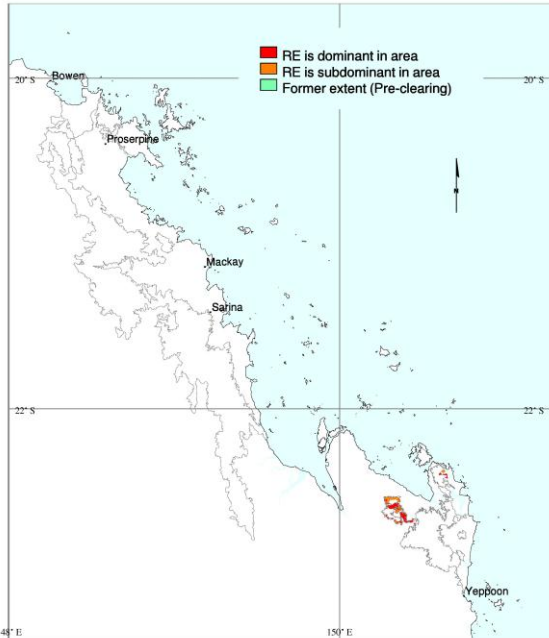
FORBS: Cyathillium cinereum (83%), Desmodium rhytidophyllum (83%), Dianella caerulea (83%), Hardenbergia violacea (83%), Flemingia parviflora (67%), Corymbia citriodora (50%), Crotalaria brevis (50%), Desmodium varians (50%), Galactia tenuiflora (1, 50%), Breynia oblongifolia (33%), Corymbia trachyphloia (1, 33%), Crotalaria medicaginea (33%), Dianella rara (33%), Glycine cyrtoloba (33%), Hybanthus stellarioides (33%), Indigofera pratensis (1, 33%), Lomandra filiformis subsp. filiformis (33%), Lomandra longifolia (33%), Opercularia diphylla (3, 33%), Persoonia falcata (33%), Phyllanthus virgatus (33%), Rostellularia adscendens (33%), Xanthorrhoea indet. (5, 33%), Xanthorrhoea latifolia subsp. latifolia (6, 33%), Acacia indet. (17%), Acacia leptocarpa (17%), Acacia leptostachya (17%), Aristolochia pubera (17%), Aristolochia thozetii (17%), Asteraceae indet. (17%), Brunoniella indet. (17%), Capparis canescens (17%), Cassytha filiformis (17%), Chamaecrista nomame var. nomame (17%), Cheilanthes indet. (17%), Corymbia dallachiana (17%), Corymbia intermedia (17%), Crotalaria lanceolata subsp. lanceolata (17%), Crotalaria montana (17%), Cycas media subsp. media (17%), Dianella caerulea var. vannata (5, 17%), Dianella indet. (17%), Dodonaea lanceolata var. subsessilifolia (17%), Drynaria rigidula (17%), Emilia sonchifolia* (17%), Epaltes australis (17%), Eucalyptus drepanophylla (17%), Eucalyptus portuensis (17%), Euphorbia indet. (17%), Glycine indet. (17%), Goodenia rotundifolia (17%), Indigofera indet. (17%), Indigofera tryonii (17%), Iphigenia indica (17%), Lantana camara* (17%), Lomandra filiformis (17%), Lomandra indet. (17%), Lomandra multiflora (17%), Poranthera microphylla (17%), Rostellularia indet. (17%), Tephrosia filipes (17%), Tephrosia purpurea var. sericea (1, 17%), Vigna vexillata var. angustifolia (17%), Zornia indet. (17%), Zornia muriculata (17%), Zornia muriculata subsp. muriculata (17%)*

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 +/- Eucalyptus crebra +/- E. portuensis woodland on Mesozoic to Proterozoic igneous rocks (subregion 4)



Joy Brushhe

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,919 3,915 100%

Species recorded: Total: 46; woody: 27; ground: 22; Average species per site and standard deviation not available

Basal area: Not available

Structural formation: Unrecorded: 100%, 10 site(s)

Representative sites: 44247, 44345, 44346, 44488, 44489, 44491, 44498, 44534, 44548, 44670.

Stratum: T1

Height avg. = 18.7m, range 13-26m, 10 sites

Dominant species (relative cover, frequency): Corymbia citriodora (52, 100%), Eucalyptus portuensis (36, 40%), Eucalyptus exserta (32, 30%), Eucalyptus crebra (23, 80%), Corymbia intermedia (12, 30%)

Frequent species (cover, frequency): Corymbia citriodora (7, 100%), Eucalyptus crebra (3, 80%), Eucalyptus portuensis (7, 40%), Corymbia intermedia (2, 30%), Eucalyptus exserta (3, 30%), Corymbia trachyphloia (1, 20%), Corymbia clarksoniana (1, 10%), Eucalyptus platyphylla (10%)

Stratum: T2

Height avg. = 7.2m, range 5-9m, 10 sites

Dominant species (relative cover, frequency): Lophostemon confertus (68, 50%), Acacia aulacocarpa (44, 30%), Acacia flavescens (16, 50%), Planchonia careya (16, 40%)

Frequent species (cover, frequency): Acacia flavescens (3, 50%), Lophostemon confertus (15, 50%), Planchonia careya (4, 40%), Acacia aulacocarpa (12, 30%), Acacia julifera subsp. curvinervia (8, 20%), Allocasuarina torulosa (2, 10%), Alphitonia excelsa (10, 10%), Corymbia citriodora (5, 10%), Corymbia clarksoniana (2, 10%), Eucalyptus indet. (2, 10%), Eucalyptus portuensis (10, 10%), Lophostemon suaveolens (2, 10%), Pogonolobus reticulatus (10, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 1-3.5m, 8 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (40, 40%), *Acacia crassa* subsp. *longicoma* (26, 40%), *Acacia flavescens* (21, 30%), *Alphitonia excelsa* (16, 30%), *Pogonolobus reticulatus* (15, 50%)

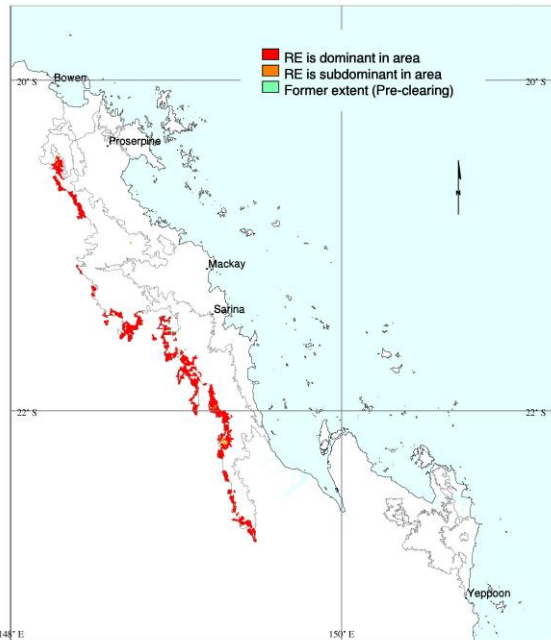
Frequent species (cover, frequency): *Pogonolobus reticulatus* (3, 50%), *Acacia crassa* subsp. *longicoma* (6, 40%), *Lophostemon confertus* (11, 40%), *Acacia flavescens* (5, 30%), *Alphitonia excelsa* (4, 30%), *Acacia aulacocarpa* (20, 20%), *Brachychiton bidwillii* (4, 20%), *Eucalyptus* *indet.* (2, 20%), *Paraserianthes toona* (5, 20%), *Acacia* *indet.* (10%), *Ficus* *indet.* (2, 10%), *Jacksonia scoparia* (5, 10%), *Lophostemon suaveolens* (2, 10%), *Passiflora suberosa** (20, 10%), *Petalostigma pubescens* (2, 10%), *Planchonia careya* (2, 10%), *Wikstroemia indica* (2, 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, (only comprehensive sites used for ground stratum).

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

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

Eucalyptus drepanophylla +/- Corymbia citriodora woodland on dry hills on Mesozoic to Proterozoic igneous rocks (subregion 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 80,295 77,329 96%

Species recorded: Total: 83; woody: 25; ground: 73; Avg. spp./site: 31.3; std dev.: 7.3, 3 site(s)

Basal area: Avg./site: 11.5 m²/ha, range: 4.5 - 16 m²/ha, std. deviation: 5 m²/ha, 3 site(s)

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

Representative sites: 19241, 32647, 37027.

Stratum: T1

Height avg. = 14.3m, range 10-18m, 3 sites

Crown cover avg. = 29.3%, range 17.0-52.0%, 3 sites

Stem density/ha avg. = 233, range 140-360, 3 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (77, 100%), Corymbia citriodora (23, 100%), Eucalyptus acmenoides (1, 33%)

Frequent species (cover, frequency): Corymbia citriodora (8, 100%), Eucalyptus drepanophylla (21, 100%), Eucalyptus acmenoides (33%)

Stratum: T2

Height avg. = 7.0m, range 6-8m, 2 sites

Crown cover avg. = 6.5%, range 4.0-9.0%, 2 sites

Stem density/ha avg. = 540, range 360-720, 2 sites

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (88, 33%), Corymbia clarksoniana (57, 33%), Corymbia dallachiana (39, 33%), Corymbia citriodora (4, 67%), Acacia crassa (2, 33%)

Frequent species (cover, frequency): Corymbia citriodora (67%), Acacia crassa (33%), Alphitonia excelsa (33%), Callitris endlicheri (33%), Corymbia clarksoniana (3, 33%), Corymbia dallachiana (2, 33%), Corymbia trachyphloia (33%), Eucalyptus drepanophylla (8, 33%), Eucalyptus exserta (33%), Lophostemon confertus (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, (only comprehensive sites used for ground stratum).

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

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

Stratum: S1

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

Crown cover avg. = 9.5%, range 3.0-16.0%, 2 sites

Stem density/ha avg. = 2810, range 1500-4120, 2 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (47, 33%), *Xanthorrhoea johnsonii* (47, 33%), *Jacksonia indet.* (20, 33%), *Eucalyptus exserta* (12, 33%), *Acacia leptostachya* (12, 33%)

Frequent species (cover, frequency): *Corymbia citriodora* (67%), *Eucalyptus drepanophylla* (1, 67%), *Acacia indet.* (1, 33%), *Acacia leptostachya* (2, 33%), *Breynia oblongifolia* (33%), *Bursaria incana* (1, 33%), *Capparis canescens* (33%), *Dodonaea viscosa* (2, 33%), *Eucalyptus exserta* (2, 33%), *Flueggea virosa subsp. melanthesoides* (33%), *Hardenbergia violacea* (33%), *Jacksonia indet.* (1, 33%), *Lantana camara** (33%), *Lophostemon confertus* (8, 33%), *Persoonia amaliae* (33%), *Persoonia falcata* (33%), *Wikstroemia indica* (33%), *Xanthorrhoea johnsonii* (3, 33%)

Stratum: G

Height avg. = 0.6m, range 0.35-1m, 3 sites

PFC avg. = 67.0%, range 50-84%, 3 sites

Dominant species (relative cover, frequency): *Eremochloa bimaculata* (45, 33%), *Heteropogon contortus* (36, 67%), *Themeda triandra* (28, 67%), *Arundinella setosa* (27, 33%), *Bothriochloa decipiens var. decipiens* (18, 33%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (21, 67%), *Heteropogon triticeus* (67%), *Themeda triandra* (13, 67%), *Alloteropsis semialata* (33%), *Aristida indet.* (1, 33%), *Aristida queenslandica var. queenslandica* (33%), *Arundinella setosa* (14, 33%), *Bothriochloa decipiens var. decipiens* (15, 33%), *Chrysopogon fallax* (11, 33%), *Cyperus fulvus* (33%), *Digitaria indet.* (33%), *Digitaria minima* (33%), *Enneapogon indet.* (33%), *Eragrostis brownii* (6, 33%), *Eremochloa bimaculata* (38, 33%), *Fimbristylis dichotoma* (33%), *Panicum effusum* (1, 33%), *Panicum effusum var. effusum* (33%), *Panicum indet.* (33%)

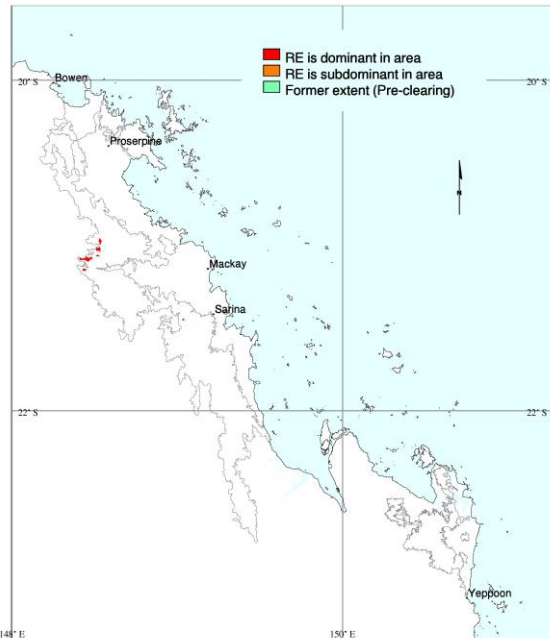
FORBS: *Cyanthillium cinereum* (67%), *Flemingia parviflora* (67%), *Hardenbergia violacea* (3, 67%), *Acacia leptostachya* (33%), *Alphitonia excelsa* (33%), *Asteraceae indet.* (33%), *Breynia oblongifolia* (33%), *Brunoniella acaulis* (33%), *Bursaria incana* (2, 33%), *Capparis canescens* (33%), *Cassytha indet.* (33%), *Chamaecrista indet.* (33%), *Corymbia dallachiana* (33%), *Crotalaria montana* (33%), *Desmodium indet.* (33%), *Desmodium rhytidophyllum* (33%), *Desmodium varians* (1, 33%), *Dianella caerulea* (33%), *Dianella caerulea var. vannata* (33%), *Dianella indet.* (33%), *Dodonaea viscosa* (33%), *Drypetes deplanchei* (33%), *Eucalyptus drepanophylla* (33%), *Eucalyptus exserta* (33%), *Evolvulus alsinoides* (33%), *Exocarpos cupressiformis* (33%), *Fabaceae indet.* (33%), *Grewia latifolia* (33%), *Helichrysum lanuginosum* (33%), *Indigofera pratensis* (33%), *Keraudrenia indet.* (33%), *Lantana camara** (33%), *Maytenus disperma* (33%), *Melhania oblongifolia* (33%), *Opercularia diphylla* (5, 33%), *Persoonia amaliae* (33%), *Phyllanthus fuernrohrii* (33%), *Phyllanthus virgatus* (33%), *Rostellularia adscendens* (33%), *Spermacoce brachystema* (33%), *Spermacoce indet.* (5, 33%), *Stylidium eriorhizum* (33%), *Stylosanthes indet.* (33%), *Tephrosia filipes* (33%), *Tephrosia indet.* (33%), *Trichodesma zeylanicum* (33%), *Urarua lagopodioides* (33%), *Urarua picta* (1, 33%), *Wedelia spilanthis* (33%), *Wikstroemia indica* (33%), *Xanthorrhoea indet.* (33%), *Xanthorrhoea johnsonii* (5, 33%), *Zornia dyctiocarpa* (33%), *Zornia muriculata subsp. angustata* (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, (only comprehensive sites used for ground stratum).

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

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

Eucalyptus montivaga open-forest on plateaus and ridges of high ranges on Mesozoic to Proterozoic igneous rocks



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 2,226 2,149 97%

Species recorded: Total: 69; woody: 8; ground: 61; Avg. spp./site: 45.5; std dev.: 12.5, 2 site(s)

Basal area: Avg./site: 19.0 m²/ha, range: 15.0 - 23 m²/ha, std. deviation: 4 m²/ha, 2 site(s)

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

Representative sites: 36188, 36204.

Stratum: T1

Height avg. = 30.0m, range 28-32m, 2 sites
 Crown cover avg. = 73.0%, range 72.0-74.0%, 2 sites
 Stem density/ha avg. = 240, range 200-280, 2 sites

Dominant species (relative cover, frequency): Eucalyptus montivaga (78, 100%), Corymbia intermedia (22, 100%)

Frequent species (cover, frequency): Corymbia intermedia (16, 100%), Eucalyptus montivaga (57, 100%)

Stratum: T2

Height avg. = 4.5m, range 4-5m, 2 sites
 Crown cover avg. = 18.0%, range 14.0-22.0%, 2 sites
 Stem density/ha avg. = 820, range 480-1160, 2 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (49, 100%), Corymbia intermedia (42, 50%), Eucalyptus montivaga (21, 100%), Banksia integrifolia subsp. compar (18, 50%)

Frequent species (cover, frequency): Allocasuarina littoralis (11, 100%), Eucalyptus montivaga (5, 100%), Banksia integrifolia subsp. compar (4, 50%), Corymbia intermedia (10, 50%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 0.5m, range 0.4-0.5m, 2 sites

Crown cover avg. = 0.5%, range 0.0-1.0%, 2 sites

Dominant species (relative cover, frequency): *Glochidion indet.* (58, 100%), *Pittosporum ferrugineum* (25, 50%), *Banksia integrifolia subsp. compar* (25, 50%), *Acacia disparrima subsp. disparrima* (25, 50%), *Cymbidium madidum* (9, 50%)

Frequent species (cover, frequency): *Glochidion indet.* (1, 100%), *Acacia disparrima subsp. disparrima* (50%), *Banksia integrifolia subsp. compar* (50%), *Cymbidium madidum* (50%), *Pittosporum ferrugineum* (50%)

Stratum: G

Height avg. = 0.4m, range 0.2-0.5m, 2 sites

PFC avg. = 22.0%, range 20-24%, 2 sites

Dominant species (relative cover, frequency): *Imperata cylindrica* (33, 100%), *Pteridium esculentum* (16, 100%), *Desmodium rhytidophyllum* (12, 100%), *Fabaceae indet.* (7, 50%), *Sorghum nitidum forma aristatum* (4, 100%)

Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (9, 100%), *Oplismenus burmannii* (100%), *Sorghum nitidum forma aristatum* (1, 100%), *Themeda triandra* (100%), *Cyperus scaber* (50%), *Digitaria parviflora* (1, 50%), *Fimbristylis depauperata* (50%), *Poa labillardierei var. labillardierei* (1, 50%)

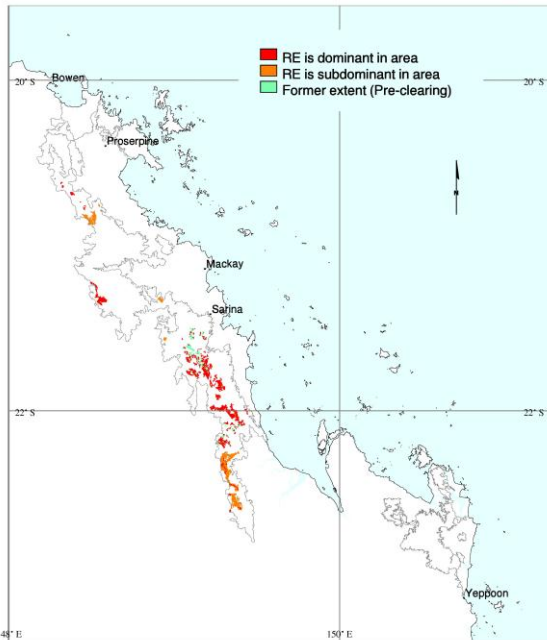
FORBS: *Adiantum hispidulum* (100%), *Calochlaena dubia* (100%), *Crotalaria brevis* (100%), *Cyanthillium cinereum* (100%), *Desmodium rhytidophyllum* (3, 100%), *Dianella caerulea* (100%), *Emilia sonchifolia** (100%), *Hardenbergia violacea* (1, 100%), *Hibbertia scandens* (100%), *Hypericum gramineum* (100%), *Pteridium esculentum* (4, 100%), *Ranunculus lappaceus* (100%), *Rostellularia adscendens* (100%), *Tricoryne anceps subsp. pterocaulon* (100%), *Acianthus indet.* (50%), *Angiosperm indet.* (50%), *Bidens bipinnata** (50%), *Blechnum cartilagineum* (50%), *Botrychium australe* (50%), *Brunoniella australis* (50%), *Chamaecrista nomame* (50%), *Cirsium vulgare** (50%), *Clematis glycinoides* (50%), *Commelina lanceolata* (50%), *Desmodium gunnii* (1, 50%), *Drynaria rigidula* (50%), *Eustrephus latifolius* (50%), *Fabaceae indet.* (2, 50%), *Geranium homeanum* (50%), *Glycine indet.* (50%), *Gomphocarpus physocarpus** (50%), *Gonocarpus humilis* (50%), *Hybanthus stellarioides* (50%), *Hydrocotyle acutiloba* (1, 50%), *Hypochoeris radicata** (50%), *Lagenophora gracilis* (50%), *Lantana camara** (50%), *Lomandra multiflora* (50%), *Lomandra multiflora subsp. multiflora* (50%), *Oxalis radicata* (50%), *Plantago debilis* (50%), *Poranthera microphylla* (50%), *Pterostylis nutans* (1, 50%), *Rubus parvifolius* (1, 50%), *Rubus probus* (50%), *Sigesbeckia orientalis* (50%), *Smilax australis* (50%), *Solanum indet.* (50%), *Solanum opacum* (50%), *Veronica plebeia* (1, 50%), *Viola hederacea* (50%), *Xanthorrhoea latifolia subsp. latifolia* (50%), *Youngia japonica* (50%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 +/- Lophostemon suaveolens woodland on undulating uplands, on Mesozoic to Proterozoic igneous rocks



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 30,227 20,283 67%

Species recorded: Total: 123; woody: 24; ground: 103; Avg. spp./site: 47.5; std dev.: 1.8, 4 site(s)

Basal area: Avg./site: 15.5 m²/ha, range: 13.0 - 19 m²/ha, std. deviation: 3 m²/ha, 4 site(s)

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

Representative sites: 36207, 36210, 36212, 36328.

Stratum: T1

Height avg. = 24.5m, range 21-27m, 4 sites

Crown cover avg. = 77.0%, range 64.0-86.0%, 4 sites

Stem density/ha avg. = 176, range 67-267, 4 sites

Dominant species (relative cover, frequency): Eucalyptus tereticornis (73, 100%), Corymbia intermedia (35, 75%), Eucalyptus drepanophylla (6, 25%)

Frequent species (cover, frequency): Eucalyptus tereticornis (55, 100%), Corymbia intermedia (28, 75%), Eucalyptus drepanophylla (5, 25%)

Stratum: T2

Height avg. = 7.0m, range 5-8m, 3 sites

Crown cover avg. = 36.3%, range 19.0-52.0%, 3 sites

Stem density/ha avg. = 622, range 400-867, 3 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (98, 50%), Eucalyptus drepanophylla (85, 25%), Timonius timon var. timon (14, 25%), Corymbia intermedia (2, 50%), Planchonia careya (1, 25%)

Frequent species (cover, frequency): Allocasuarina littoralis (44, 50%), Corymbia intermedia (1, 50%), Acacia melanoxylon (25%), Eucalyptus drepanophylla (16, 25%), Lophostemon suaveolens (25%), Planchonia careya (25%), Timonius timon var. timon (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, (only comprehensive sites used for ground stratum).

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

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

Stratum: S1

Height avg. = 1.0m, range 0.4-2.1m, 3 sites

Crown cover avg. = 23.0%, range 0.0-52.0%, 3 sites

Stem density/ha avg. = 1067, 1 site

Dominant species (relative cover, frequency): *Myrsine variabilis* (96, 25%), *Lantana camara** (29, 75%), *Eucalyptus tereticornis* (25, 25%), *Lophostemon suaveolens* (25, 25%), *Maclura cochinchinensis* (25, 25%)

Frequent species (cover, frequency): *Lantana camara** (4, 75%), *Acacia spirorbis* subsp. *solandri* (25%), *Breynia oblongifolia* (25%), *Brucea javanica* (25%), *Cycas media* subsp. *media* (1, 25%), *Eucalyptus tereticornis* (25%), *Glochidion apodogynum* (2, 25%), *Glochidion lobocarpum* (25%), *Hibiscus* *indet.* (1, 25%), *Lophostemon suaveolens* (25%), *Maclura cochinchinensis* (25%), *Mallotus philippensis* (25%), *Myrsine variabilis* (50, 25%), *Planchonia careya* (25%), *Psychotria daphnoides* (25%), *Trema tomentosa* (3, 25%), *Xanthorrhoea latifolia* subsp. *latifolia* (25%)

Stratum: S2

Height avg. = 0.5m, 1 site

Crown cover avg. = 0.0%, 1 site

Dominant species (relative cover, frequency): *Melia azedarach* (50, 25%), *Flemingia lineata* (50, 25%)

Frequent species (cover, frequency): *Flemingia lineata* (25%), *Melia azedarach* (25%)

Stratum: G

Height avg. = 0.4m, range 0.08-0.7m, 4 sites

PFC avg. = 48.5%, range 23-77%, 4 sites

Dominant species (relative cover, frequency): *Themeda triandra* (26, 50%), *Chionachne cyathopoda* (21, 25%), *Imperata cylindrica* (20, 100%), *Bothriochloa decipiens* var. *decipiens* (14, 25%), *Microlaena stipoides* (12, 25%)

Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (15, 100%), *Carex inversa* (1, 75%), *Cyperus cyperoides* (75%), *Digitaria parviflora* (1, 75%), *Scleria brownii* (1, 75%), *Cyperus gracilis* (2, 50%), *Dichanthium tenue* (50%), *Eragrostis brownii* (50%), *Oplismenus burmannii* (50%), *Panicum mitchellii* (50%), *Paspalidium distans* (50%), *Sorghum nitidum* forma *aristatum* (6, 50%), *Sporobolus jacquemontii** (1, 50%), *Themeda triandra* (17, 50%), *Axonopus fissifolius** (1, 25%), *Bothriochloa decipiens* var. *decipiens* (5, 25%), *Capillipedium parviflorum* (25%), *Chionachne cyathopoda* (17, 25%), *Chloris divaricata* (1, 25%), *Cyperus leiocaulon* (25%), *Dichelachne montana* (25%), *Echinopogon nutans* var. *nutans* (25%), *Eleusine indica** (25%), *Gahnia aspera* (25%), *Heteropogon triticeus* (5, 25%), *Hyparrhenia filipendula* (25%), *Juncus usitatus* (25%), *Microlaena stipoides* (3, 25%), *Mnesithea rottboellioides* (25%), *Panicum effusum* (25%), *Panicum simile* (1, 25%), *Paspalum* *indet.* (1, 25%), *Poa labillardierei* var. *labillardierei* (25%)

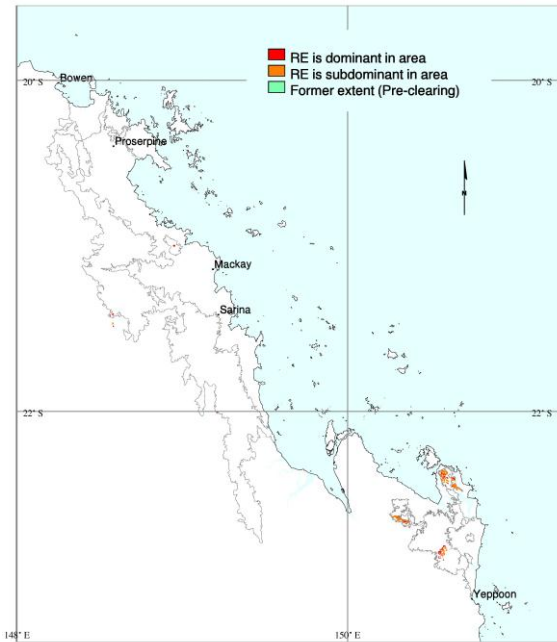
FORBS: *Eustrephus latifolius* (100%), *Flemingia parviflora* (1, 100%), *Acmella grandiflora* var. *brachyglossa* (75%), *Centella asiatica* (4, 75%), *Cyanthillium cinereum* (75%), *Dichondra repens* (1, 75%), *Lomandra longifolia* (75%), *Pratia concolor* (3, 75%), *Angiosperm* *indet.* (50%), *Cirsium vulgare** (50%), *Desmodium gunnii* (50%), *Desmodium rhytidophyllum* (50%), *Dianella caerulea* (50%), *Emilia sonchifolia** (50%), *Fabaceae* *indet.* (50%), *Galactia tenuiflora* var. *lucida* (50%), *Lomandra confertifolia* (50%), *Mentha diemenica* (2, 50%), *Phyllanthus virgatus* (50%), *Plantago debilis* (1, 50%), *Polygala japonica* (50%), *Rostellularia adscendens* (50%), *Sigesbeckia orientalis* (50%), *Veronica plebeia* (50%), *Viola betonicifolia* subsp. *betonicifolia* (50%), *Zornia* *indet.* (1, 50%), *Adiantum hispidulum* (25%), *Ageratum conyzoides* (25%), *Alternanthera nana* (25%), *Asclepiadaceae* *indet.* (25%), *Bidens bipinnata** (25%), *Brachyscome basaltica* var. *gracilis* (25%), *Breynia oblongifolia* (25%), *Brunoniella australis* (25%), *Chamaesyce hirta** (25%), *Clematicissus opaca* (25%), *Crotalaria montana* (25%), *Crotalaria pallida* (25%), *Curculigo ensifolia* (25%), *Desmodium heterocarpon* (25%), *Desmodium varians* (1, 25%), *Dianella rara* (25%), *Eremophila debilis* (25%), *Flemingia lineata* (25%), *Glycine* *indet.* (25%), *Glycine tabacina* (1, 25%), *Gomphocarpus physocarpus** (25%), *Grewia retusifolia* (25%), *Haloragis aspera* (25%), *Hardenbergia violacea* (25%), *Iphigenia indica* (25%), *Lantana camara** (25%), *Maclura cochinchinensis* (25%), *Mecardonia procumbens** (25%), *Mukia maderaspatana* (25%), *Passiflora suberosa** (25%), *Picris angustifolia* subsp. *carolorum-henricorum* (25%), *Polymeria* *indet.* (25%), *Pterocaulon sphacelatum* (25%), *Ranunculus lappaceus* (25%), *Rhynchosia minima* (25%), *Rubus parvifolius* (2, 25%), *Smilax australis* (25%), *Trichodesma zeylanicum* (25%), *Tricoryne anceps* subsp. *anceps* (25%), *Urena lobata** (25%), *Verbena incompta** (25%), *Vigna vexillata* var. *angustifolia* (25%), *Wahlenbergia gracilis* (25%), *Wahlenbergia* *indet.* (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, (only comprehensive sites used for ground stratum).

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

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

Leptospermum spp. and/or Acacia spp. and/or Lophostemon confertus shrubland on exposed plateaus of Cretaceous-Tertiary acid to intermediate volcanics, and Mesozoic to Proterozoic igneous rocks



Joy Brushhe

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 1,522 1,522 100%

Species recorded: Total: 86; woody: 46; ground: 42; Avg. spp./site: 25.3; std dev.: 5.6, 3 site(s)

Basal area: Avg./site: 4.0 m²/ha, range: 2.0 - 6 m²/ha, std. deviation: 2 m²/ha, 2 site(s)

Structural formation: Tall open-shrubland: 20%; open-scrub: 20%; dwarf open-shrubland: 20%; unrecorded: 40%, 5 site(s)

Representative sites: 36215, 36224, 36225, 44494, 44571.

Stratum: E

Height avg. = 2.5m, 1 site

Crown cover avg. = 8.0%, 1 site

Frequent species (cover, frequency): Corymbia trachyphloia (8, 20%)

Stratum: T1

Height avg. = 4.5m, 1 site

Frequent species (cover, frequency): Acacia flavescens (1, 20%), Acacia julifera subsp. curvinervia (5, 20%), Babingtonia indet. (2, 20%), Corymbia trachyphloia (1, 20%), Dodonaea viscosa (1, 20%), Eucalyptus exserta (2, 20%), Ficus rubiginosa (20%), Grevillea banksii (1, 20%), Leptospermum neglectum (5, 20%), Lophostemon confertus (2, 20%)

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

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

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

Stratum: S1

Height avg. = 1.8m, range 0.8-3m, 5 sites

Crown cover avg. = 35.3%, range 13.0-71.0%, 3 sites

Stem density/ha avg. = 22778, range 3133-32800, 3 sites

Dominant species (relative cover, frequency): *Acacia aulacocarpa* (36, 80%), *Lophostemon confertus* (30, 40%), *Leptospermum neglectum* (28, 40%), *Leptospermum polygalifolium* (25, 40%), *Corymbia trachyphloia* (4, 60%)

Frequent species (cover, frequency): *Acacia aulacocarpa* (19, 80%), *Corymbia trachyphloia* (1, 60%), *Acacia falcata* (40%), *Leptospermum neglectum* (9, 40%), *Leptospermum polygalifolium* (21, 40%), *Lophostemon confertus* (8, 40%), *Alphitonia excelsa* (5, 20%), *Banksia integrifolia subsp. compar* (4, 20%), *Banksia spinulosa* (10, 20%), *Bertya sharpeana* (1, 20%), *Brachychiton bidwillii* (10, 20%), *Cerbera dumicola* (2, 20%), *Corymbia intermedia* (4, 20%), *Diospyros geminata* (2, 20%), *Dodonaea lanceolata var. subsessilifolia* (2, 20%), *Dodonaea viscosa* (2, 20%), *Eucalyptus acmenoides* (20%), *Grevillea banksii* (5, 20%), *Hovea longipes* (2, 20%), *Leucopogon cuspidatus* (4, 20%), *Maytenus disperma* (2, 20%), *Melaleuca sp. (Mt Wheeler P.I.Forster+ PIF13792)* (5, 20%), *Pityrodia salviifolia* (2, 20%), *Pomaderris ferruginea* (10, 20%), *Psydrax odorata* (2, 20%), *Swainsona indet.* (20%)

Stratum: S2

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

Crown cover avg. = 21.5%, range 19.0-24.0%, 2 sites

Stem density/ha avg. = 10000, 1 site

Dominant species (relative cover, frequency): *Xanthorrhoea latifolia subsp. latifolia* (25, 40%), *Monotoca scoparia* (13, 40%), *Melaleuca sp. (Mt Wheeler P.I.Forster+ PIF13792)* (11, 40%), *Bertya sharpeana* (5, 40%), *Melichrus adpressus* (3, 40%)

Frequent species (cover, frequency): *Bertya sharpeana* (1, 40%), *Hibbertia cistoidea* (1, 40%), *Leucopogon cuspidatus* (1, 40%), *Melaleuca sp. (Mt Wheeler P.I.Forster+ PIF13792)* (3, 40%), *Melichrus adpressus* (1, 40%), *Monotoca scoparia* (3, 40%), *Pultenaea retusa* (1, 40%), *Xanthorrhoea latifolia subsp. latifolia* (5, 40%), *Acrotriche aggregata* (20%), *Astroloma sp. (Baal Gammon B.P.Hyland 10341)* (1, 20%), *Banksia spinulosa var. spinulosa* (2, 20%), *Comesperma esulifolium* (5, 20%), *Dampiera ferruginea* (10, 20%), *Dodonaea lanceolata var. subsessilifolia* (3, 20%), *Hibbertia vestita* (10, 20%), *Hovea clavata* (2, 20%), *Leptospermum neglectum* (8, 20%), *Leptospermum polygalifolium* (2, 20%), *Persoonia virgata* (20%), *Sprengelia sprengelioides* (20%), *Zieria sp. (Sydney Heads A.R.Bean 2562)* (1, 20%)

Stratum: G

Height avg. = 0.2m, range 0.15-0.3m, 3 sites

PFC avg. = 10.0%, range 3-23%, 3 sites

Dominant species (relative cover, frequency): *Cleistochloa subjuncea* (36, 67%), *Aristida warburgii* (34, 67%), *Entolasia marginata* (27, 33%), *Tetraria capillaris* (15, 33%), *Digitaria breviglumis* (15, 67%)

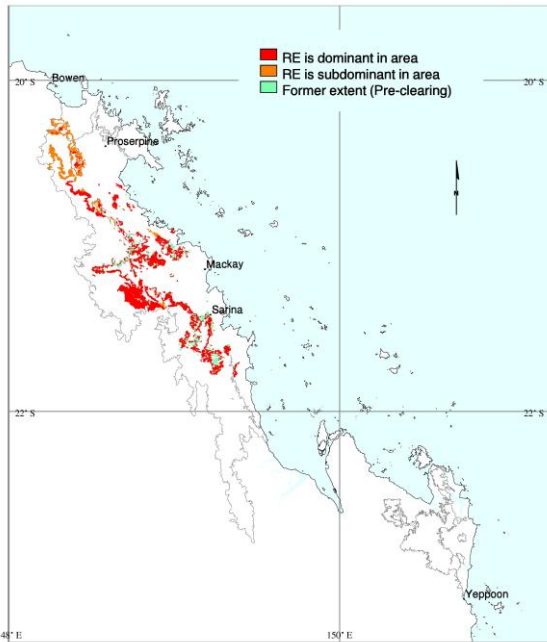
Frequent species (cover, frequency): **GRAMINOIDS:** *Aristida warburgii* (8, 67%), *Cleistochloa subjuncea* (2, 67%), *Cymbopogon oblectus* (1, 67%), *Digitaria breviglumis* (1, 67%), *Lepidosperma laterale* (67%), *Aristida queenslandica var. dissimilis* (33%), *Arundinella nepalensis* (1, 33%), *Cyperus microcephalus subsp. microcephalus* (33%), *Entolasia marginata* (1, 33%), *Fimbristylis dichotoma* (33%), *Panicum simile* (33%), *Tetraria capillaris* (1, 33%), *Tripogon loliiformis* (1, 33%)
FORBS: *Lomandra confertifolia subsp. pallida* (100%), *Pomax umbellata* (100%), *Cheilanthes sieberi* (1, 67%), *Plectranthus graniticola* (67%), *Portulaca bicolor* (67%), *Cassytha filiformis* (33%), *Dianella caerulea* (33%), *Dodonaea lanceolata var. subsessilifolia* (33%), *Hibbertia aspera* (33%), *Phyllanthus virgatus* (33%), *Portulaca indet.* (33%), *Styidium eglandulosum* (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 and/or Eucalyptus platyphylla +/- E. drepanophylla +/- E. tereticornis +/- C. tessellaris +/- E. portuensis open-forest, on foothills and uplands on Mesozoic to Proterozoic igneous rocks (subregions 2 and 3)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 110,033 78,153 71%

Species recorded: Total: 157; woody: 68; ground: 98; Avg. spp./site: 50.3; std dev.: 9.0, 6 site(s)

Basal area: Avg./site: 19.9 m²/ha, range: 12.0 - 24 m²/ha, std. deviation: 4 m²/ha, 7 site(s)

Structural formation: Open-forest: 43%; woodland: 29%; closed-forest: 29%, 7 site(s)

Representative sites: 36327, 36329, 36345, 36384, 36646, 36827, 36867.

Stratum: T1

Height avg. = 20.2m, range 12-25m, 7 sites

Crown cover avg. = 59.7%, range 45.0-94.0%, 7 sites

Stem density/ha avg. = 309, range 120-600, 6 sites

Dominant species (relative cover, frequency): Corymbia intermedia (46, 86%), Eucalyptus platyphylla (37, 29%), Eucalyptus drepanophylla (37, 86%), Corymbia clarksoniana (11, 29%), Eucalyptus tereticornis (8, 71%)

Frequent species (cover, frequency): Corymbia intermedia (25, 86%), Eucalyptus drepanophylla (23, 86%), Eucalyptus tereticornis (5, 71%), Corymbia clarksoniana (5, 29%), Corymbia erythrophloia (3, 29%), Eucalyptus platyphylla (30, 29%), Eucalyptus portuensis (3, 29%), Lophostemon suaveolens (4, 29%), Corymbia tessellaris (19, 14%), Euroschinus falcatus (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 10.3m, range 5-16m, 6 sites

Crown cover avg. = 31.9%, range 4.0-99.0%, 7 sites

Stem density/ha avg. = 591, range 67-1133, 6 sites

Dominant species (relative cover, frequency): Eucalyptus platyphylla (51, 43%), Lophostemon confertus (49, 43%), Lophostemon suaveolens (20, 43%), Corymbia intermedia (17, 57%), Corymbia clarksoniana (16, 29%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (5, 71%), Corymbia intermedia (4, 57%), Eucalyptus platyphylla (4, 43%), Eucalyptus tereticornis (2, 43%), Lophostemon confertus (14, 43%), Lophostemon suaveolens (4, 43%), Alphitonia oblata (14, 29%), Corymbia clarksoniana (2, 29%), Euroschinus falcatus (4, 29%), Planchonia careya (5, 29%), Timonius timon var. timon (1, 29%), Acacia spirorbis subsp. solandri (41, 14%), Brucea javanica (2, 14%), Corymbia dallachiana (14%), Corymbia erythrophloia (10, 14%), Corymbia tessellaris (14%), Cymbidium madidum (14%), Erythrina vespertilio (14%), Eucalyptus portuensis (14%), Flindersia schottiana (14%), Lepiderema punctulata (14%), Mallotus philippensis (14%), Platycerium bifurcatum (14%), Platycerium indet. (14%), Polyscias elegans (6, 14%), Scolopia braunii (3, 14%), Turraea pubescens (4, 14%)

Stratum: T3

Height avg. = 4.0m, 1 site

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 67, 1 site

Frequent species (cover, frequency): Cycas media subsp. media (14%)

Stratum: S1

Height avg. = 1.9m, range 1-3m, 7 sites

Crown cover avg. = 17.6%, range 3.0-36.0%, 7 sites

Stem density/ha avg. = 1733, range 80-4000, 6 sites

Dominant species (relative cover, frequency): Cycas media subsp. media (38, 100%), Turraea pubescens (18, 43%), Trema tomentosa (15, 29%), Glochidion lobocarpum (15, 29%), Lantana camara (11, 71%)*

Frequent species (cover, frequency): Cycas media subsp. media (5, 100%), Lantana camara (2, 71%), Mallotus philippensis (71%), Acacia spirorbis subsp. solandri (1, 57%), Brucea javanica (57%), Glochidion apodogynum (1, 57%), Planchonia careya (1, 57%), Polyscias elegans (57%), Alphitonia oblata (43%), Callicarpa pedunculata (43%), Diospyros geminata (43%), Flemingia lineata (43%), Flindersia schottiana (43%), Melia azedarach (43%), Psychotria loniceroides (43%), Turraea pubescens (7, 43%), Cissus oblonga (29%), Cyclophyllum coprosmoides (29%), Glochidion lobocarpum (3, 29%), Platycerium indet. (29%), Trema tomentosa (1, 29%), Acacia leptocarpa (14%), Acronychia laevis (14%), Albizia procera (14%), Alectryon connatus (14%), Alphitonia excelsa (14%), Aphananthe philippinensis (14%), Breynia oblongifolia (14%), Clematicissus opaca (14%), Corymbia erythrophloia (14%), Cupaniopsis simulata (14%), Dendrocnide photinophylla (14%), Drypetes deplanchei (14%), Eucalyptus drepanophylla (14%), Eucalyptus platyphylla (14%), Euroschinus falcatus (14%), Ficus opposita (14%), Geijera salicifolia (14%), Gomphocarpus physocarpus* (14%), Gossia bidwillii (14%), Hibiscus heterophyllus (14%), Hibiscus indet. (1, 14%), Indigofera pratensis (14%), Jagera pseudorhus var. pseudorhus (14%), Jasminum didymum (14%), Lepiderema punctulata (14%), Lophostemon confertus (1, 14%), Macaranga involucreta var. mallotoides (14%), Melodorum leichhardtii (14%), Myrsine variabilis (14%), Parsonsia plaesiophylla (14%), Phyllanthus novae-hollandiae (14%), Pogonolobus reticulatus (14%), Psydrax odorata (14%), Scolopia braunii (14%), Timonius timon var. timon (3, 14%), Wikstroemia indica (14%), Xanthorrhoea indet. (30, 14%)*

Stratum: S2

Height avg. = 0.9m, range 0.5-1.2m, 2 sites

Crown cover avg. = 2.5%, range 0.0-5.0%, 2 sites

Dominant species (relative cover, frequency): Psychotria loniceroides (50, 29%), Cycas media subsp. media (50, 29%)

Frequent species (cover, frequency): Cycas media subsp. media (2, 29%), Psychotria loniceroides (2, 29%)

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

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

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

Stratum: G

Height avg. = 0.6m, range 0.3-0.8m, 5 sites

PFC avg. = 49.2%, range 13-84%, 6 sites

Dominant species (relative cover, frequency): Themeda triandra (29, 50%), Imperata cylindrica (28, 83%), Mnesithea rottboellioides (19, 67%), Sorghum nitidum forma aristatum (15, 50%), Xanthorrhoea indet. (15, 33%)

Frequent species (cover, frequency): GRAMINOIDS: Imperata cylindrica (15, 83%), Oplismenus burmannii (1, 83%), Scleria brownii (1, 83%), Abildgaardia ovata (67%), Chionachne cyathopoda (4, 67%), Mnesithea rottboellioides (10, 67%), Heteropogon contortus (50%), Panicum effusum (50%), Panicum mitchellii (1, 50%), Sehima nervosum (1, 50%), Sorghum nitidum forma aristatum (7, 50%), Themeda triandra (25, 50%), Heteropogon triticeus (1, 33%), Paspalidium distans (33%), Scleria novae-hollandiae (33%), Capillipedium spicigerum (17%), Dichanthium tenue (17%), Eragrostis brownii (17%), Gahnia aspera (17%), Paspalidium indet. (17%), Scleria indet. (17%)

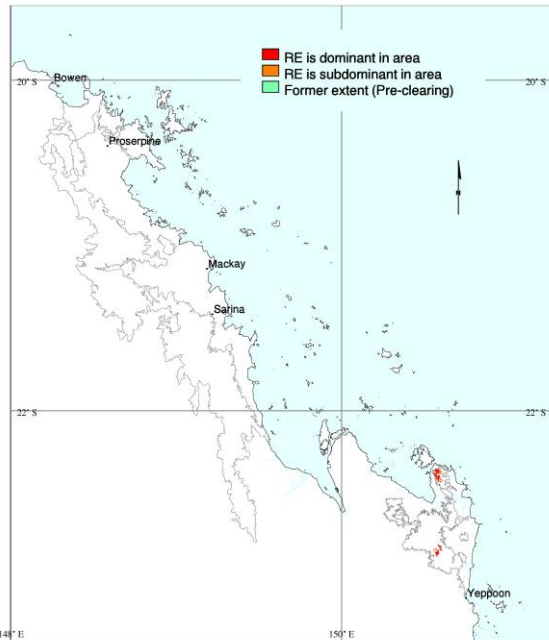
FORBS: Flemingia parviflora (100%), Ageratum conyzoides (2, 83%), Brunoniella australis (83%), Glycine cyrtoloba (83%), Clematicissus opaca (67%), Cyanthillium cinereum (67%), Desmodium rhytidophyllum (67%), Dianella caerulea (67%), Lomandra longifolia (67%), Aristolochia thozetii (50%), Desmodium gunnii (50%), Emilia sonchifolia (50%), Rhynchosia minima (50%), Crotalaria montana (33%), Cycas media subsp. media (4, 33%), Drynaria rigidula (2, 33%), Geodorum densiflorum (33%), Glycine tomentella (1, 33%), Grewia retusifolia (33%), Hybanthus stellarioides (33%), Pandorea pandorana (33%), Passiflora suberosa* (1, 33%), Pterocaulon sphacelatum (1, 33%), Smilax australis (33%), Xanthorrhoea indet. (7, 33%), Adiantum aethiopicum (17%), Adiantum hispidulum (17%), Alyxia spicata (17%), Asclepiadaceae indet. (17%), Asteraceae indet. (17%), Bidens pilosa* (17%), Chamaecrista absus (17%), Chamaecrista mimosoides (17%), Chamaesyce indet. (17%), Cheilanthes tenuifolia (17%), Conyza leucantha (17%), Crotalaria calycina (17%), Crotalaria indet. (17%), Crotalaria pallida (17%), Curculigo ensifolia (17%), Dendrobium discolor (17%), Desmodium brachypodum (17%), Desmodium triflorum* (1, 17%), Dianella caerulea var. vannata (17%), Dianella longifolia (17%), Emilia sonchifolia var. sonchifolia* (17%), Eustrephus latifolius (17%), Flemingia lineata (17%), Galactia tenuiflora (17%), Indigofera indet. (17%), Jasminum didymum (17%), Lantana camara* (17%), Leucas decemdentata (17%), Leucas lavandulifolia* (1, 17%), Lomandra filiformis (17%), Lomandra filiformis subsp. filiformis (17%), Melia azedarach (17%), Ophioglossum reticulatum (17%), Passiflora aurantia (17%), Peripleura hispidula var. setosa (17%), Phyllanthus virgatus (17%), Poranthera microphylla (17%), Psychotria loniceroides (17%), Pterocaulon redolens (17%), Pterocaulon serrulatum var. serrulatum (17%), Pycnospora lutescens (17%), Synedrella nodiflora* (17%), Tephrosia juncea (17%), Timonius timon var. timon (17%), Tylophora benthamii (17%), Uraria lagopodioides (17%), Urena lobata* (17%), Vigna radiata (17%), Vigna vexillata var. angustifolia (17%), Zornia muriculata subsp. angustata (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, (only comprehensive sites used for ground stratum).

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

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

Allocasuarina littoralis and/or Banksia integrifolia and/or Leptospermum polygalifolium dwarf closed-shrubland, with a heath understorey, on Mesozoic to Proterozoic igneous rocks



Joy Brushhe

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 977 977 100%

Species recorded: Total: 51; woody: 10; ground: 49; Average species per site and standard deviation not available

Basal area: Not available

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

Representative sites: 44161, 44166, 44572, 44589.

Stratum: E

Height avg. = 0.5m, 1 site

Dominant species (relative cover, frequency): Grevillea banksii (17, 25%), Gahnia sieberiana (17, 25%), Eucalyptus exserta (17, 25%), Banksia spinulosa (17, 25%), Banksia robur (17, 25%)

Frequent species (cover, frequency): Gahnia sieberiana (25%), Acacia aulacocarpa (25%), Banksia robur (25%), Banksia spinulosa (25%), Eucalyptus exserta (25%), Grevillea banksii (25%)

Stratum: T1

Height avg. = 3.5m, 1 site

Dominant species (relative cover, frequency): Allocasuarina littoralis (80, 25%), Banksia integrifolia subsp. compar (20, 25%)

Frequent species (cover, frequency): Allocasuarina littoralis (6, 25%), Banksia integrifolia subsp. compar (2, 25%)

Stratum: S1

Height avg. = 1.5m, range 1-2m, 3 sites

Dominant species (relative cover, frequency): Banksia integrifolia subsp. compar (51, 75%), Allocasuarina littoralis (40, 75%), Grevillea banksii (19, 25%), Corymbia intermedia (9, 25%), Acacia aulacocarpa (1, 25%)

Frequent species (cover, frequency): Allocasuarina littoralis (17, 75%), Banksia integrifolia subsp. compar (12, 75%), Acacia aulacocarpa (25%), Corymbia intermedia (2, 25%), Grevillea banksii (2, 25%)

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

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

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

Stratum: S2

Height avg. = 0.6m, 1 site

Dominant species (relative cover, frequency): Xanthorrhoea latifolia subsp. latifolia (100, 25%)

Frequent species (cover, frequency): Xanthorrhoea latifolia subsp. latifolia (30, 25%)

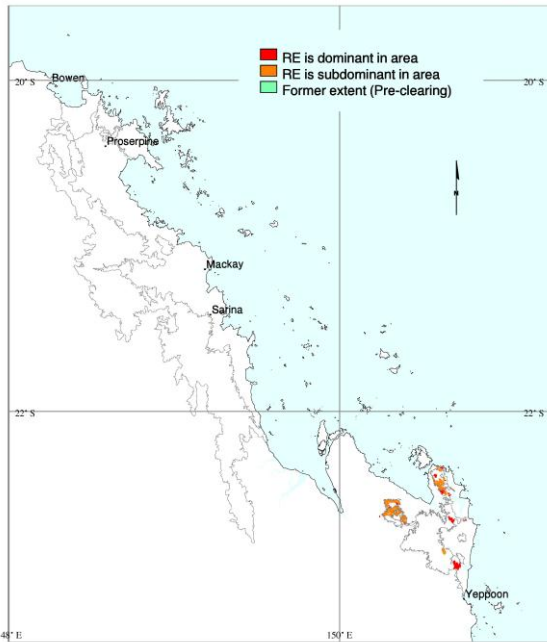
Dominant species: Relative cover (mean of cover of species / total cover of all species in that stratum for all values > zero) and frequency (percent of total sites) ordered by decreasing relative abundance. Up to five most dominant species with frequency > 20% listed for each stratum, (only comprehensive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

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

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

22/11/2012

Eucalyptus tereticornis and/or E. platyphylla and/or Lophostemon suaveolens +/- C. intermedia +/- E. crebra +/- E. portuensis woodland on lowlands and foothills on Mesozoic to Proterozoic igneous rocks (subregion 4)



Joy Brushhe

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 6,114 6,015 98%

Species recorded: Total: 142; woody: 78; ground: 78; Avg. spp./site: 33.0; std dev.: 9.0, 2 site(s)

Basal area: Avg./site: 16.0 m²/ha, range: 16.0 - 16 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Woodland: 4%; unrecorded: 96%, 26 site(s)

Representative sites: 17526, 44212, 44213, 44214, 44215, 44337, 44441, 44442, 44464, 44468, 44500, 44501, 44502, 44507, 44508, 44509, 44510, 44511, 44516, 44518, 44527, 44665, 44666, 44674, 45030, 45039.

Stratum: E

Height avg. = 23.0m, 1 site

Frequent species (cover, frequency): Eucalyptus tereticornis (5, 4%)

Stratum: T1

Height avg. = 18.0m, range 3-27m, 26 sites

Crown cover avg. = 35.0%, 1 site

Dominant species (relative cover, frequency): Corymbia intermedia (36, 69%), Eucalyptus portuensis (31, 42%), Lophostemon suaveolens (29, 38%), Eucalyptus crebra (29, 58%), Eucalyptus tereticornis (21, 81%)

Frequent species (cover, frequency): Eucalyptus tereticornis (3, 81%), Corymbia intermedia (6, 69%), Eucalyptus crebra (4, 58%), Eucalyptus portuensis (6, 42%), Lophostemon suaveolens (6, 38%), Corymbia tessellaris (1, 19%), Eucalyptus exserta (3, 19%), Eucalyptus platyphylla (3, 19%), Corymbia clarksoniana (5, 15%), Allocasuarina torulosa (2, 12%), Corymbia trachyphloia (1, 12%), Acacia disparrima subsp. disparrima (1, 8%), Euroschinus falcatus (1, 8%), Corymbia trachyphloia subsp. trachyphloia (3, 4%), Eucalyptus platyphylla x E.tereticornis (1, 4%), Ficus coronata (4%), Lophostemon confertus (14, 4%), Pittosporum ferrugineum (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 4-18m, 22 sites

Crown cover avg. = 15.0%, 1 site

*Dominant species (relative cover, frequency): Allocasuarina torulosa (68, 58%), Lophostemon suaveolens (30, 31%)**Frequent species (cover, frequency): Allocasuarina torulosa (14, 58%), Lophostemon suaveolens (4, 31%), Acacia disparrima subsp. disparrima (9, 19%), Eucalyptus indet. (4, 15%), Planchonia careya (4, 15%), Cupaniopsis anacardioides (4, 12%), Eucalyptus platyphylla (1, 12%), Euroschinus falcatus (4, 12%), Jagera pseudorhus var. pseudorhus (1, 12%), Lophostemon confertus (9, 12%), Timonius timon var. timon (2, 8%), Acacia crassa subsp. longicoma (2, 4%), Acacia flavescens (5, 4%), Acacia julifera subsp. curvinervia (10, 4%), Acacia maidenii (2, 4%), Alphitonia excelsa (5, 4%), Alyxia ruscifolia (4%), Breynia oblongifolia (5, 4%), Chionanthus ramiflora (5, 4%), Corymbia clarksoniana (5, 4%), Corymbia intermedia (2, 4%), Drypetes deplanchei (2, 4%), Eucalyptus crebra (2, 4%), Glochidion lobocarpum (2, 4%), Lantana camara* (2, 4%), Livistona decora (20, 4%), Macaranga involucrata (5, 4%), Macaranga tanarius (5, 4%), Macrozamia miquelii (4%), Mallotus philippensis (5, 4%), Maytenus disperma (4%), Melaleuca nervosa (2, 4%), Melaleuca viridiflora var. viridiflora (5, 4%), Neolitsea indet. (5, 4%), Pogonolobus reticulatus (4%), Xanthorrhoea latifolia subsp. latifolia (4%)***Stratum: T3**

Height avg. = 3.7m, range 3-4m, 3 sites

Crown cover avg. = 8.0%, 1 site

*Frequent species (cover, frequency): Cupaniopsis anacardioides (2, 8%), Acacia disparrima subsp. disparrima (20, 4%), Alyxia ruscifolia (2, 4%), Cyclophyllum coprosmoides (2, 4%), Jagera pseudorhus var. pseudorhus (2, 4%), Pittosporum spinescens (4, 4%), Planchonia careya (10, 4%), Schefflera actinophylla (4%)***Stratum: S1**

Height avg. = 2.1m, range 1-3m, 21 sites

Crown cover avg. = 4.0%, 1 site

*Dominant species (relative cover, frequency): Acacia disparrima subsp. disparrima (45, 50%), Acacia maidenii (20, 23%), Alphitonia excelsa (19, 23%), Glochidion lobocarpum (16, 23%)**Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (9, 50%), Acacia maidenii (5, 23%), Alphitonia excelsa (5, 23%), Glochidion lobocarpum (2, 23%), Acacia flavescens (3, 19%), Allocasuarina torulosa (5, 19%), Jacksonia scoparia (3, 19%), Planchonia careya (3, 19%), Lantana camara* (3, 15%), Lophostemon confertus (9, 15%), Acacia crassa subsp. longicoma (7, 12%), Cupaniopsis anacardioides (1, 12%), Eucalyptus indet. (7, 12%), Jagera pseudorhus var. pseudorhus (3, 12%), Grevillea banksii (2, 8%), Litsea fawcettiana (1, 8%), Lophostemon suaveolens (2, 8%), Passiflora suberosa* (2, 8%), Timonius timon var. timon (4, 8%), Acacia indet. (2, 4%), Acacia leptocarpa (2, 4%), Acronychia laevis (20, 4%), Alpinia caerulea (5, 4%), Brachychiton bidwillii (2, 4%), Clematis glycinoides (2, 4%), Cryptocarya vulgaris (2, 4%), Cyclophyllum coprosmoides (2, 4%), Dendrobium discolor (4%), Diospyros geminata (5, 4%), Dodonaea lanceolata var. subsessilifolia (5, 4%), Elaeocarpus obovatus (5, 4%), Eucalyptus platyphylla (4%), Ficus congesta var. congesta (4%), Glochidion sumatranum (4%), Hibiscus heterophyllus (5, 4%), Ipomoea cairica* (2, 4%), Livistona decora (2, 4%), Macaranga tanarius (2, 4%), Mackinlaya macrosciadea (4%), Mallotus claoxyloides (20, 4%), Mallotus philippensis (2, 4%), Maytenus disperma (2, 4%), Melaleuca nervosa (2, 4%), Melaleuca viridiflora var. viridiflora (10, 4%), Melicope elleryana (4%), Neolitsea brassii (4%), Neolitsea indet. (5, 4%), Pandanus tectorius (5, 4%), Passiflora foetida* (10, 4%), Petalostigma pubescens (2, 4%), Pipturus argenteus (4%), Pogonolobus reticulatus (2, 4%), Pouteria pohlmiana (2, 4%), Schefflera actinophylla (5, 4%), Scolopia braunii (20, 4%), Smilax australis (2, 4%), Xanthorrhoea latifolia subsp. latifolia (2, 4%)***Stratum: S2**

Height avg. = 1.0m, 1 site

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (5, 4%), Alphitonia excelsa (5, 4%), Jagera pseudorhus var. pseudorhus (4%), Xanthorrhoea latifolia subsp. latifolia (2, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 1.0m, 1 site

Dominant species (relative cover, frequency): Themeda triandra (30, 50%), Sorghum nitidum forma aristatum (30, 50%), Oplismenus aemulus (28, 50%), Xanthorrhoea johnsonii (15, 50%), Adiantum aethiopicum (14, 50%)

Frequent species (cover, frequency): GRAMINOIDS: Gahnia aspera (50%), Oplismenus aemulus (29, 50%), Scleria terrestris (50%), Sorghum nitidum forma aristatum (30, 50%), Themeda triandra (30, 50%)

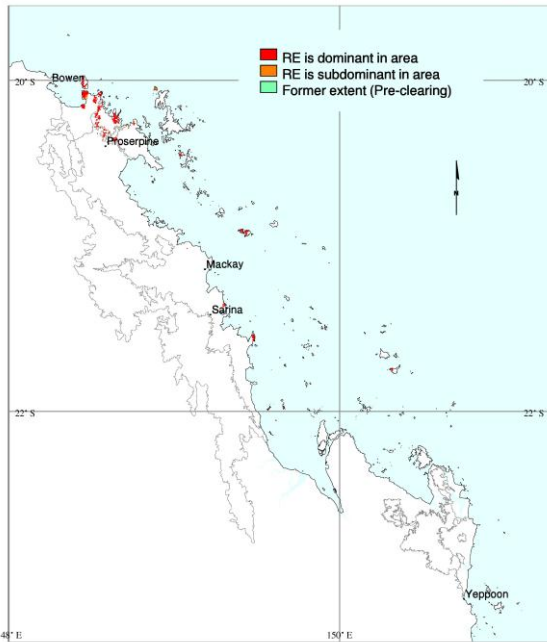
FORBS: Acacia flavescens (4, 50%), Adiantum aethiopicum (14, 50%), Adiantum hispidulum (14, 50%), Cassytha filiformis (4, 50%), Cordyline murchisoniae (50%), Dianella caerulea (50%), Diospyros fasciculosa (50%), Drynaria rigidula (4, 50%), Elaeodendron melanocarpum (50%), Eustrephus latifolius (4, 50%), Flemingia parviflora (4, 50%), Geitonoplesium cymosum (4, 50%), Glochidion lobocarpum (4, 50%), Hardenbergia violacea (4, 50%), Jasminum simplicifolium subsp. australiense (50%), Lomandra multiflora subsp. multiflora (4, 50%), Passiflora suberosa (14, 50%), Planchonia careya (4, 50%), Psychotria daphnoides (4, 50%), Rostellularia adscendens (4, 50%), Stephania japonica (4, 50%), Swainsona galegifolia (4, 50%), Thysanotus tuberosus (4, 50%), Triumphetta rhomboidea* (50%), Xanthorrhoea johnsonii (15, 50%)*

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

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

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Corymbia clarksoniana +/- C. tessellaris +/- Eucalyptus platyphylla +/- C. dallachiana +/- E. drepanophylla +/- E. tereticornis woodland on foothills and uplands on Mesozoic to Proterozoic igneous rocks (subregions 1 and 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 7,768 6,763 87%

Species recorded: Total: 140; woody: 46; ground: 110; Avg. spp./site: 44.8; std dev.: 6.9, 4 site(s)

Basal area: Avg./site: 17.7 m²/ha, range: 10.0 - 26 m²/ha, std. deviation: 6 m²/ha, 6 site(s)

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

Representative sites: 19456, 36107, 36147, 36148, 36529, 36985.

Stratum: E

Height avg. = 38.0m, 1 site
 Crown cover avg. = 4.0%, 1 site

Frequent species (cover, frequency): Eucalyptus drepanophylla (17%), Eucalyptus platyphylla (17%), Eucalyptus tereticornis (4, 17%)

Stratum: T1

Height avg. = 19.7m, range 8-30m, 6 sites
 Crown cover avg. = 48.2%, range 20.0-82.0%, 6 sites
 Stem density/ha avg. = 117, range 80-150, 3 sites

Dominant species (relative cover, frequency): Corymbia tessellaris (57, 67%), Corymbia clarksoniana (38, 83%), Eucalyptus platyphylla (29, 67%)

Frequent species (cover, frequency): Corymbia clarksoniana (15, 83%), Corymbia tessellaris (31, 67%), Eucalyptus platyphylla (15, 67%), Eucalyptus drepanophylla (50%), Corymbia dallachiana (17%), Corymbia intermedia (18, 17%), Eucalyptus platyphylla x E.tereticornis (11, 17%), Eucalyptus tereticornis (2, 17%), Platycerium bifurcatum (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 10.3m, range 8-15m, 5 sites

Crown cover avg. = 31.0%, range 16.0-43.0%, 5 sites

Stem density/ha avg. = 898, range 160-2750, 4 sites

Dominant species (relative cover, frequency): Corymbia dallachiana (43, 33%), Timonius timon var. timon (38, 33%), Eucalyptus platyphylla (16, 50%), Corymbia clarksoniana (15, 83%), Corymbia tessellaris (8, 50%)

Frequent species (cover, frequency): Corymbia clarksoniana (4, 83%), Corymbia tessellaris (3, 50%), Eucalyptus platyphylla (5, 50%), Planchonia careya (2, 50%), Corymbia dallachiana (7, 33%), Eucalyptus drepanophylla (2, 33%), Timonius timon var. timon (16, 33%), Acacia flavescens (24, 17%), Acacia leptocarpa (17%), Acacia spirorbis subsp. solandri (17%), Albizia procera (17%), Alphitonia excelsa (17%), Corymbia intermedia (17%), Erythrina vespertilio (14, 17%), Eucalyptus tereticornis (10, 17%), Glochidion lobocarpum (2, 17%), Maytenus disperma (7, 17%)

Stratum: T3

Height avg. = 5.6m, range 5-6m, 3 sites

Crown cover avg. = 25.3%, range 4.0-50.0%, 3 sites

Stem density/ha avg. = 1040, range 840-1240, 2 sites

Dominant species (relative cover, frequency): Corymbia clarksoniana (52, 33%), Glochidion lobocarpum (30, 33%), Planchonia careya (23, 33%), Timonius timon var. timon (9, 33%), Eucalyptus tereticornis (2, 33%)

Frequent species (cover, frequency): Corymbia clarksoniana (3, 33%), Corymbia dallachiana (33%), Eucalyptus tereticornis (1, 33%), Glochidion lobocarpum (14, 33%), Planchonia careya (7, 33%), Timonius timon var. timon (2, 33%), Acacia spirorbis subsp. solandri (15, 17%), Corymbia intermedia (17%), Corymbia tessellaris (3, 17%), Eucalyptus drepanophylla (17%), Eucalyptus platyphylla (6, 17%), Mallotus philippensis (17%)

Stratum: S1

Height avg. = 2.0m, range 1-3.3m, 6 sites

Crown cover avg. = 16.2%, range 0.0-53.0%, 6 sites

Stem density/ha avg. = 2330, range 240-7200, 4 sites

Dominant species (relative cover, frequency): Timonius timon var. timon (45, 50%), Glochidion lobocarpum (33, 50%), Acacia indet. (14, 33%), Planchonia careya (11, 67%), Ficus opposita (8, 67%)

Frequent species (cover, frequency): Ficus opposita (67%), Mallotus philippensis (67%), Planchonia careya (2, 67%), Cupaniopsis anacardioides (50%), Glochidion lobocarpum (10, 50%), Timonius timon var. timon (2, 50%), Acacia indet. (33%), Acacia leptocarpa (33%), Alphitonia excelsa (1, 33%), Brucea javanica (33%), Corymbia tessellaris (33%), Acacia flavescens (50, 17%), Austrosteenisia blackii (17%), Clerodendrum floribundum (17%), Corymbia clarksoniana (2, 17%), Corymbia dallachiana (17%), Diospyros geminata (17%), Glochidion apodogynum (17%), Hibiscus heterophyllus (17%), Lauraceae indet. (17%), Livistona decora (17%), Lophostemon suaveolens (17%), Macaranga involucreta var. mallotoides (17%), Maytenus disperma (17%), Pandanus indet. (17%), Pandorea pandorana (17%), Pogonolobus reticulatus (17%), Polyscias elegans (17%), Pouteria sericea (17%), Scolopia braunii (17%), Tabernaemontana orientalis (17%), Wikstroemia indica (17%), Xanthorrhoea indet. (17%)

Stratum: S2

Height avg. = 1.4m, range 0.5-1.8m, 3 sites

Crown cover avg. = 14.3%, range 0.0-23.0%, 3 sites

Stem density/ha avg. = 500, range 240-760, 2 sites

Dominant species (relative cover, frequency): Glochidion lobocarpum (57, 33%), Lantana camara (21, 33%), Planchonia careya (14, 33%)*

Frequent species (cover, frequency): Glochidion lobocarpum (13, 33%), Lantana camara (5, 33%), Planchonia careya (3, 33%), Acacia leptocarpa (17%), Brucea javanica (1, 17%), Crotalaria pallida (17%), Cupaniopsis anacardioides (17%), Flemingia lineata (17%), Livistona decora (17%), Mallotus philippensis (17%), Psychotria daphnoides (17%), Timonius timon var. timon (2, 17%), Wikstroemia indica (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 0.3-1.2m, 2 sites

PFC avg. = 48.5%, range 18-91%, 4 sites

Dominant species (relative cover, frequency): *Chrysopogon fallax* (50, 25%), *Imperata cylindrica* (20, 100%), *Lantana camara** (20, 25%), *Chionachne cyathopoda* (16, 75%), *Sorghum nitidum forma aristatum* (13, 75%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Imperata cylindrica* (10, 100%), *Mnesithea rottboellioides* (3, 100%), *Chionachne cyathopoda* (13, 75%), *Heteropogon contortus* (2, 75%), *Oplismenus burmannii* (1, 75%), *Scleria brownii* (1, 75%), *Sorghum nitidum forma aristatum* (12, 75%), *Eragrostis brownii* (50%), *Fimbristylis dichotoma* (50%), *Panicum effusum* (50%), *Paspalidium distans* (50%), *Abildgaardia ovata* (25%), *Aristida indet.* (25%), *Aristida personata* (3, 25%), *Chrysopogon fallax* (10, 25%), *Digitaria indet.* (25%), *Digitaria ramularis* (25%), *Heteropogon triticeus* (25%), *Scleria mackaviensis* (25%), *Themeda triandra* (1, 25%)

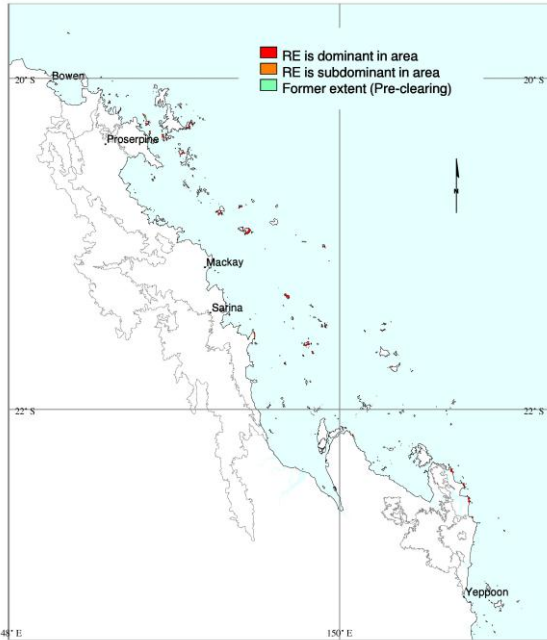
FORBS: *Aristolochia pubera* (100%), *Eustrephus latifolius* (75%), *Flemingia parviflora* (75%), *Passiflora suberosa** (1, 75%), *Brunoniella australis* (50%), *Clematicissus opaca* (50%), *Commelina diffusa* (50%), *Cyanthillium cinereum* (50%), *Desmodium gangeticum* (50%), *Desmodium gunnii* (50%), *Desmodium rhytidophyllum* (50%), *Dianella caerulea* (50%), *Emilia sonchifolia** (50%), *Glochidion lobocarpum* (2, 50%), *Livistona decora* (2, 50%), *Lomandra longifolia* (3, 50%), *Stachytarpheta jamaicensis** (5, 50%), *Tacca leontopetaloides* (50%), *Triumfetta rhomboidea** (50%), *Vigna radiata var. sublobata* (50%), *Acacia flavescens* (1, 25%), *Alphitonia excelsa* (25%), *Anisomeles malabarica* (25%), *Bidens bipinnata** (25%), *Cajanus reticulatus* (25%), *Chamaesyce hirta** (25%), *Cheilanthes tenuifolia* (25%), *Commelina lanceolata* (25%), *Corymbia clarksoniana* (25%), *Corymbia dallachiana* (2, 25%), *Crassocephalum crepidioides** (25%), *Cupaniopsis anacardioides* (25%), *Desmodium triflorum** (25%), *Eucalyptus platyphylla* (25%), *Ficus opposita* (25%), *Flemingia lineata* (25%), *Galactia tenuiflora* (25%), *Geodorum densiflorum* (25%), *Glycine cyrtoloba* (25%), *Glycine tomentella* (25%), *Grewia retusifolia* (25%), *Hybanthus stellarioides* (25%), *Iphigenia indica* (25%), *Lamiaceae indet.* (25%), *Lantana camara** (9, 25%), *Leucas decemdentata* (25%), *Leucas indet.* (25%), *Lophostemon suaveolens* (25%), *Ophioglossum reticulatum* (25%), *Phyllanthus virgatus* (25%), *Planchonia careya* (25%), *Pogonolobus reticulatus* (25%), *Pycnospora lutescens* (25%), *Pyrrosia rupestris* (25%), *Rhynchosia minima* (25%), *Spermacoce indet.* (25%), *Stephania japonica* (25%), *Stylosanthes guianensis** (25%), *Trichodesma zeylanicum* (25%), *Tylophora benthamii* (1, 25%), *Uria lagopodioides* (25%), *Urena lobata** (25%), *Vigna vexillata* (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, (only comprehensive sites used for ground stratum).

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

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

Themeda triandra and/or Imperata cylindrica and/or Chionachne cyathopoda tussock grassland, or Xanthorrhoea latifolia shrubland, on slopes of islands and headlands on Mesozoic to Proterozoic igneous rocks, and Tertiary acid to intermediate volcanics



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 4,447 4,036 91%

Species recorded: Total: 196; woody: 13; ground: 188; Avg. spp./site: 40.8; std dev.: 11.2, 6 site(s)

Basal area: 0

Structural formation: Closed-tussock grassland: 67%; tussock grassland: 11%; dwarf open-heath: 11%; unrecorded: 11%, 9 site(s)

Representative sites: 19512, 31164, 36124, 36288, 36987, 40956, 40961, 44636, 44869.

Stratum: E

Height avg. = 0.9m, range 0.6-1m, 4 sites

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

Dominant species (relative cover, frequency): Ficus opposita (63, 22%), Lantana camara (21, 22%)*

Frequent species (cover, frequency): Ficus opposita (22%), Lantana camara (22%), Alphitonia excelsa (11%), Banksia integrifolia subsp. compar (11%), Diospyros geminata (11%), Drypetes deplanchei (11%), Glochidion lobocarpum (11%), Myoporum acuminatum (11%), Myoporum boninense subsp. australe (11%), Wikstroemia indica (11%)*

Stratum: S1

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

Crown cover avg. = 26.0%, range 2.0-50.0%, 2 sites

Stem density/ha avg. = 6467, 1 site

Frequent species (cover, frequency): Clematicissus opaca (11%), Crotalaria pallida (11%), Ficus opposita (11%), Glochidion lobocarpum (11%), Wikstroemia indica (11%), Xanthorrhoea latifolia subsp. latifolia (50, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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, 6 sites

PFC avg. = 89.0%, range 72-100%, 5 sites

Dominant species (relative cover, frequency): Themeda triandra (28, 100%), Imperata cylindrica (27, 50%), Xanthorrhoea latifolia subsp. latifolia (19, 67%), Heteropogon contortus (8, 50%), Chrysopogon fallax (5, 50%)

Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (27, 100%), Paspalidium distans (1, 67%), Abildgaardia ovata (50%), Chrysopogon fallax (5, 50%), Heteropogon contortus (6, 50%), Imperata cylindrica (27, 50%), Paspalum scrobiculatum (50%), Alloteropsis semialata (4, 33%), Capillipedium spicigerum (1, 33%), Eragrostis indet. (1, 33%), Panicum effusum (2, 33%), Aristida personata (3, 17%), Aristida queenslandica var. dissimilis (11, 17%), Aristida spuria (6, 17%), Aristida utilis var. utilis (1, 17%), Bothriochloa pertusa (17%), Cymbopogon bombycinus (17%), Cymbopogon queenslandicus (4, 17%), Cynodon indet. (17, 17%), Cyperus fulvus (17%), Cyperus polystachyos (17%), Dichanthium annulatum* (1, 17%), Dichanthium sericeum (17%), Dichanthium sericeum subsp. sericeum (17%), Dichanthium setosum (17%), Digitaria diffusa (17%), Digitaria parviflora (17%), Entolasia stricta (1, 17%), Eragrostis brownii (17%), Eragrostis interrupta (17%), Eragrostis spartinooides (17%), Fuirena ciliaris (17%), Heteropogon triticeus (17%), Ischaemum triticeum (17%), Lepidosperma laterale (1, 17%), Panicum simile (3, 17%), Poaceae indet. (17%), Schizachyrium indet. (17%), Schizachyrium pseudeulalia (17%), Scleria brownii (17%), Sehima nervosum (13, 17%), Sorghum nitidum forma aristatum (17%), Walwhalleya subxerophila (1, 17%)*

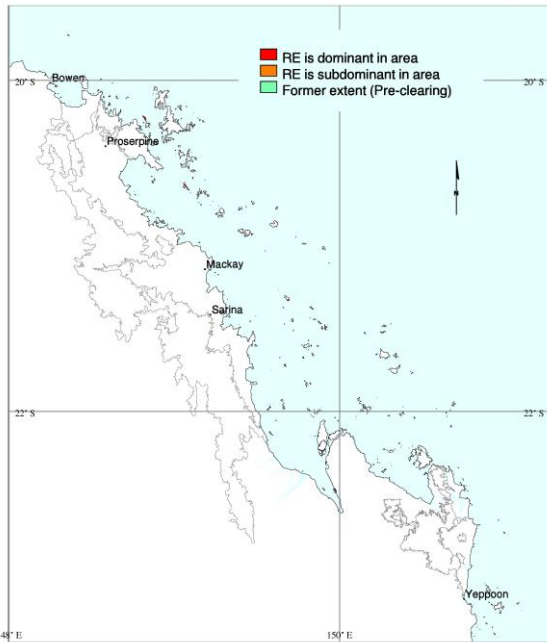
FORBS: Crotalaria montana (1, 83%), Passiflora foetida (1, 83%), Pycnospora lutescens (2, 83%), Cyathillium cinereum (67%), Emilia sonchifolia* (1, 67%), Flemingia parviflora (2, 67%), Phyllanthus virgatus (1, 67%), Xanthorrhoea latifolia subsp. latifolia (16, 67%), Glycine tomentella (50%), Passiflora suberosa* (1, 50%), Anisomeles malabarica (33%), Carpbrotus glaucescens (33%), Cheilanthes nudiussula (33%), Coronidium lanuginosum (33%), Desmodium gangeticum (33%), Desmodium indet. (33%), Desmodium rhytidophyllum (33%), Desmodium triflorum* (1, 33%), Dianella caerulea (1, 33%), Dianella longifolia var. longifolia (33%), Dodonaea lanceolata var. subsessilifolia (2, 33%), Evolvulus alsinoides (33%), Glycine indet. (33%), Grevillea banksii (4, 33%), Hibbertia stricta (33%), Macroptilium atropurpureum* (33%), Oxalis rubens (33%), Pimelea linifolia (33%), Polygala indet. (33%), Rostellularia indet. (33%), Stachytarpheta jamaicensis* (4, 33%), Acmella grandiflora var. brachyglossa (17%), Acrotiche aggregata (17%), Adiantum aethiopicum (17%), Allocasuarina littoralis (1, 17%), Angiosperm indet. (17%), Aristolochia pubera (17%), Banksia integrifolia (17%), Brunoniella acaulis (17%), Brunoniella australis (1, 17%), Cajanus confertiflorus (1, 17%), Caladenia catenata (1, 17%), Cassytha filiformis (17%), Cassytha indet. (17%), Casuarina equisetifolia (17%), Centella asiatica (17%), Centrosema molle* (17%), Chamaecrista absus (17%), Chamaecrista concinna (1, 17%), Chamaecrista indet. (17%), Chamaecrista nomame var. nomame (17%), Chorizema parviflorum (1, 17%), Conyza indet. (17%), Crotalaria brevis (17%), Crotalaria juncea* (17%), Crotalaria mitchellii (17%), Crotalaria montana var. angustifolia (17%), Crotalaria pallida (17%), Curculigo ensifolia (17%), Desmodium heterocarpon (17%), Desmodium pullenii (1, 17%), Dianella longifolia (17%), Emilia sonchifolia var. javanica* (17%), Epaltes australis (17%), Eucalyptus exserta (1, 17%), Galactia tenuiflora (17%), Geodorum densiflorum (17%), Glycine cyrtoloba (17%), Gynura drymophila (17%), Helichrysum lanuginosum (1, 17%), Hovea clavata (1, 17%), Hybanthus stellarioides (17%), Indigofera hirsuta (1, 17%), Indigofera pratensis (17%), Iphigenia indica (17%), Ipomoea littoralis (12, 17%), Ipomoea pes-caprae (17%), Ipomoea plebeia (17%), Isotropis filicaulis (17%), Jasminum didymum (17%), Leptosema oxylobioides (5, 17%), Leptospermum indet. (1, 17%), Leucopogon leptospermoides (1, 17%), Lithomyrtus obtusa (1, 17%), Livistona decora (17%), Lomandra longifolia (17%), Melhania oblongifolia (17%), Mukia maderaspatana (17%), Myoporum montanum (17%), Neptunia gracilis forma gracilis (17%), Ophioglossum reticulatum (17%), Opuntia stricta* (17%), Orchidaceae indet. (17%), Oxalis radicata (17%), Pandanus tectorius (17%), Phyllota phyllicoides (1, 17%), Pomaderris canescens (5, 17%), Poranthera microphylla (1, 17%), Pseudanthus orientalis (1, 17%), Sersalisia sericea (17%), Sida cordifolia* (17%), Sida hackettiana (17%), Spermacoe brachystema (17%), Stephania japonica (17%), Tephrosia filipes (1, 17%), Thysanotus tuberosus (17%), Tricoryne elatior (1, 17%), Tridax procumbens* (1, 17%), Uraria lagopodioides (17%), Urena lobata* (17%), Velleia spathulata (17%), Wedelia spilanthis (2, 17%), Wikstroemia indica (17%), Xerochrysum bracteatum (17%), Zornia areolata (17%), Zornia muelleriana subsp. muelleriana (17%), Zornia muriculata (17%), Zornia muriculata subsp. angustata (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, (only comprehensive sites used for ground stratum).

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

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

Timonius timon and/or Macaranga involucrata var. mallotoides and/or Pittosporum ferrugineum shrubland on slopes of islands and headlands on Mesozoic to Proterozoic igneous rocks, and Tertiary acid to intermediate volcanics



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 421 517 123%

Species recorded: Total: 106; woody: 39; ground: 83; Avg. spp./site: 43.7; std dev.: 11.3, 3 site(s)

Basal area: Avg./site: 7.7 m²/ha, range: 5.0 - 12 m²/ha, std. deviation: 3 m²/ha, 3 site(s)

Structural formation: Tall shrubland: 25%; tall open-shrubland: 25%; open-scrub: 25%; low open-forest: 25%, 4 site(s)

Representative sites: 19516, 19919, 31289, 36289.

Stratum: E

Crown cover avg. = 1.0%, 1 site

Dominant species (relative cover, frequency): Corymbia tessellaris (100, 25%)

Frequent species (cover, frequency): Corymbia tessellaris (1, 25%)

Stratum: T1

Height avg. = 5.0m, 1 site

Crown cover avg. = 91.0%, 1 site

Stem density/ha avg. = 3280, 1 site

Dominant species (relative cover, frequency): Timonius timon var. timon (44, 25%), Pittosporum ferrugineum (19, 25%), Acacia spirorbis subsp. solandri (17, 25%), Bursaria tenuifolia (11, 25%), Neolitsea brassii (8, 25%)

Frequent species (cover, frequency): Acacia spirorbis subsp. solandri (16, 25%), Bursaria tenuifolia (10, 25%), Cupaniopsis anacardioides (25%), Mallotus philippensis (25%), Maytenus disperma (25%), Neolitsea brassii (7, 25%), Pittosporum ferrugineum (17, 25%), Polyalthia nitidissima (25%), Psychotria sp. (Shute Harbour L.J.Webb+ 7916) (25%), Schefflera actinophylla (25%), Timonius timon var. timon (41, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 1.5-5m, 4 sites

Crown cover avg. = 32.3%, range 16.0-55.0%, 4 sites

Stem density/ha avg. = 1391, range 720-1733, 3 sites

Dominant species (relative cover, frequency): *Timonius timon* var. *timon* (49, 100%), *Centrosema molle** (42, 25%), *Acacia spirorbis* subsp. *solandri* (30, 25%), *Diospyros geminata* (18, 25%), *Glochidion lobocarpum* (16, 50%)

Frequent species (cover, frequency): *Timonius timon* var. *timon* (17, 100%), *Drypetes deplanchei* (1, 75%), *Ficus opposita* (75%), *Cupaniopsis anacardioides* (50%), *Euroschinus falcatus* (1, 50%), *Glochidion lobocarpum* (3, 50%), *Lantana camara** (3, 50%), *Pittosporum ferrugineum* (3, 50%), *Acacia spirorbis* subsp. *solandri* (5, 25%), *Albizia procera* (25%), *Bursaria tenuifolia* (3, 25%), *Centrosema molle** (15, 25%), *Clematicissus opaca* (25%), *Clerodendrum indet.* (25%), *Diospyros geminata* (10, 25%), *Euroschinus falcatus* var. *falcatus* (25%), *Gymnanthera oblonga* (25%), *Jagera pseudorhus* var. *pseudorhus* (3, 25%), *Jasminum didymum* (1, 25%), *Macaranga tanarius* (1, 25%), *Mallotus philippensis* (25%), *Maytenus disperma* (1, 25%), *Myoporum boninense* subsp. *australe* (1, 25%), *Neolitsea brassii* (2, 25%), *Polyalthia nitidissima* (25%), *Pouteria sericea* (25%), *Psychotria* sp. (*Shute Harbour L.J.Webb+ 7916*) (1, 25%), *Schefflera actinophylla* (25%), *Smilax australis* (25%), *Vigna vexillata* var. *youngiana* (25%)

Stratum: S2

Height avg. = 1.4m, range 1-1.8m, 2 sites

Crown cover avg. = 41.5%, range 1.0-82.0%, 2 sites

Stem density/ha avg. = 7200, 1 site

Dominant species (relative cover, frequency): *Timonius timon* var. *timon* (42, 25%), *Glochidion lobocarpum* (38, 50%), *Macaranga involucrata* var. *mallotoides* (18, 25%), *Diospyros geminata* (18, 25%), *Cajanus confertiflorus* (12, 25%)

Frequent species (cover, frequency): *Crotalaria pallida* (50%), *Glochidion lobocarpum* (2, 50%), *Cajanus confertiflorus* (10, 25%), *Cupaniopsis anacardioides* (25%), *Dendrobium discolor* (25%), *Diospyros geminata* (15, 25%), *Drypetes deplanchei* (25%), *Euroschinus falcatus* var. *falcatus* (25%), *Ficus opposita* (25%), *Hibiscus diversifolius* (25%), *Jagera pseudorhus* var. *pseudorhus* (1, 25%), *Lantana camara** (25%), *Macaranga involucrata* var. *mallotoides* (15, 25%), *Mallotus philippensis* (3, 25%), *Paraserianthes toona* (25%), *Pittosporum ferrugineum* (25%), *Timonius timon* var. *timon* (35, 25%), *Triumfetta rhomboidea** (25%), *Uraria lagopodioides* (25%)

Stratum: G

Height avg. = 0.6m, range 0.2-1.1m, 3 sites

PFC avg. = 65.3%, range 29-99%, 3 sites

Dominant species (relative cover, frequency): *Centrosema molle** (33, 33%), *Chionachne cyathopoda* (27, 67%), *Macaranga involucrata* var. *mallotoides* (16, 33%), *Sorghum nitidum* forma *aristatum* (14, 67%), *Cajanus confertiflorus* (13, 33%)

Frequent species (cover, frequency): GRAMINOIDS: *Paspalidium distans* (1, 100%), *Scleria mackaviensis* (2, 100%), *Capillipedium spicigerum* (67%), *Chionachne cyathopoda* (22, 67%), *Imperata cylindrica* (1, 67%), *Sorghum nitidum* forma *aristatum* (10, 67%), *Aristida personata* (11, 33%), *Aristida queenslandica* var. *dissimilis* (33%), *Bothriochloa bladhii* subsp. *bladhii* (3, 33%), *Dichanthium annulatum** (1, 33%), *Dichanthium setosum* (1, 33%), *Digitaria diffusa* (3, 33%), *Gahnia aspera* (33%), *Heteropogon contortus* (33%), *Melinis repens** (33%), *Oplismenus burmannii* (3, 33%), *Panicum effusum* (33%), *Paspalum scrobiculatum* (33%), *Poaceae indet.* (33%), *Scleria levis* (33%), *Scleria lithosperma* var. *linearis* (3, 33%), *Themeda triandra* (33%)

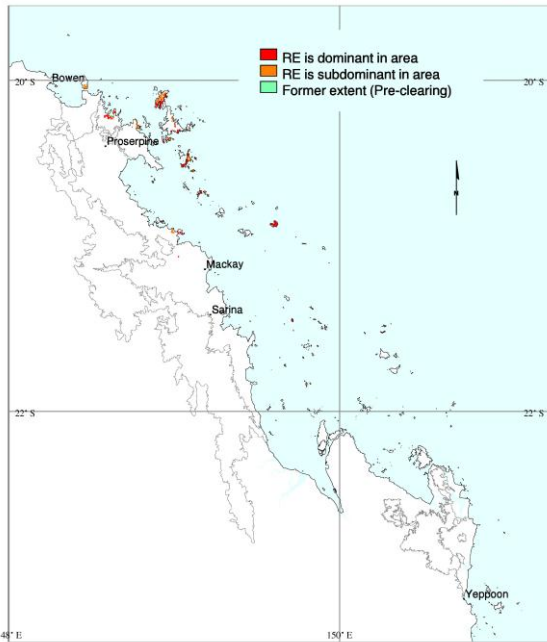
FORBS: *Bidens pilosa** (8, 100%), *Eustrephus latifolius* (1, 100%), *Passiflora suberosa** (2, 100%), *Anisomeles malabarica* (67%), *Aristolochia pubera* (67%), *Cassytha filiformis* (2, 67%), *Crotalaria pallida* (67%), *Desmodium triflorum** (67%), *Dianella caerulea* (1, 67%), *Glochidion lobocarpum* (67%), *Jasminum didymum* (1, 67%), *Pandorea pandorana* (1, 67%), *Passiflora foetida** (67%), *Timonius timon* var. *timon* (1, 67%), *Triumfetta rhomboidea** (67%), *Ageratum conyzoides* subsp. *conyzoides** (2, 33%), *Asteraceae indet.* (33%), *Brunoniella australis* (33%), *Cajanus confertiflorus* (13, 33%), *Centella asiatica* (33%), *Centrosema molle** (10, 33%), *Chamaecrista nomame* var. *nomame* (33%), *Cheilanthes nudiuscula* (33%), *Clematicissus opaca* (33%), *Crotalaria juncea** (33%), *Crotalaria montana* (33%), *Crotalaria montana* var. *angustifolia* (33%), *Cupaniopsis anacardioides* (1, 33%), *Curculigo ensifolia* (33%), *Cyanthillium cinereum* (33%), *Desmodium gangeticum* (1, 33%), *Desmodium gunnii* (33%), *Desmodium varians* (33%), *Dianella longifolia* (33%), *Emilia sonchifolia** (33%), *Ficus opposita* (33%), *Flemingia lineata* (1, 33%), *Galactia tenuiflora* (1, 33%), *Geodorum densiflorum* (33%), *Glycine tomentella* (33%), *Gymnanthera oblonga* (33%), *Lantana camara** (33%), *Leucas decemdentata* (33%), *Macaranga involucrata* var. *mallotoides* (16, 33%), *Mallotus philippensis* (7, 33%), *Myoporum boninense* subsp. *australe* (33%), *Ophioglossum reticulatum* (33%), *Pycnospora lutescens* (33%), *Stachytarpheta jamaicensis** (33%), *Stephania japonica* (33%), *Tacca leontopetaloides* (33%), *Tridax procumbens** (33%), *Vigna vexillata* var. *youngiana* (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, (only comprehensive sites used for ground stratum).

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

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

Eucalyptus drepanophylla and/or E. exserta +/- Lophostemon confertus +/- Corymbia spp. +/- Acacia spp. low open-forest on islands and headlands, on Mesozoic to Proterozoic igneous rocks, and Tertiary acid to intermediate volcanics (subregions 1 and 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 5,023 4,976 99%

Species recorded: Total: 123; woody: 69; ground: 67; Avg. spp./site: 57.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 21.6 m²/ha, range: 14.0 - 36 m²/ha, std. deviation: 7 m²/ha, 6 site(s)

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

Representative sites: 31006, 36227, 36228, 36304, 36326, 37032.

Stratum: T1

Height avg. = 11.6m, range 5.5-17.5m, 6 sites

Crown cover avg. = 61.2%, range 22.0-81.0%, 6 sites

Stem density/ha avg. = 240, 1 site

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (65, 100%), Lophostemon confertus (26, 67%), Eucalyptus tereticornis (3, 33%), Corymbia clarksoniana (1, 33%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (36, 100%), Lophostemon confertus (20, 67%), Corymbia clarksoniana (1, 33%), Eucalyptus tereticornis (3, 33%), Acacia leptostachya (25, 17%), Acacia spirorbis subsp. solandri (5, 17%), Canarium australianum (1, 17%), Corymbia dallachiana (2, 17%), Corymbia intermedia (20, 17%), Eucalyptus exserta (10, 17%), Ficus indet. (17%)

Stratum: T2

Height avg. = 6.6m, range 2.5-12m, 4 sites

Crown cover avg. = 11.3%, range 5.0-20.0%, 4 sites

Stem density/ha avg. = 600, 1 site

Dominant species (relative cover, frequency): Acacia spirorbis subsp. solandri (60, 33%)

Frequent species (cover, frequency): Acacia spirorbis subsp. solandri (10, 33%), Allocasuarina littoralis (5, 17%), Bursaria tenuifolia (4, 17%), Clematicissus opaca (17%), Corymbia clarksoniana (6, 17%), Diospyros geminata (17%), Eucalyptus drepanophylla (6, 17%), Eucalyptus tereticornis (17%), Jagera pseudorhus var. pseudorhus (3, 17%), Mallotus philippensis (17%), Pittosporum ferrugineum (17%), Pleiogynium timorense (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 0.8-4m, 5 sites

Crown cover avg. = 43.8%, range 20.0-80.0%, 6 sites

Stem density/ha avg. = 1800, 1 site

Dominant species (relative cover, frequency): *Xanthorrhoea latifolia* subsp. *latifolia* (88, 33%), *Larsenaikia jardinei* (48, 33%), *Pandorea pandorana* (21, 33%), *Drypetes deplanchei* (10, 50%), *Acacia simsii* (6, 33%)

Frequent species (cover, frequency): *Gahnia aspera* (17%), *Alphitonia excelsa* (1, 67%), *Pouteria sericea* (67%), *Diospyros geminata* (2, 50%), *Dodonaea lanceolata* var. *subsessilifolia* (1, 50%), *Drypetes deplanchei* (3, 50%), *Jasminum didymum* (1, 50%), *Tabernaemontana orientalis* (1, 50%), *Acacia simsii* (2, 33%), *Acacia spirorbis* subsp. *solandri* (33%), *Alyxia spicata* (1, 33%), *Geijera salicifolia* (33%), *Lantana camara** (33%), *Larsenaikia jardinei* (32, 33%), *Maytenus disperma* (1, 33%), *Pandorea pandorana* (7, 33%), *Pleiogynium timorense* (1, 33%), *Psydrax odorata* (1, 33%), *Xanthorrhoea latifolia* subsp. *latifolia* (48, 33%), *Abrus precatorius* (17%), *Alectryon connatus* (17%), *Alyxia ruscifolia* (17%), *Antidesma parvifolium* (17%), *Bursaria incana* (17%), *Bursaria tenuifolia* (6, 17%), *Canavalia indet.* (17%), *Canthium indet.* (1, 17%), *Capparis sepiaria* (1, 17%), *Carissa ovata* (17%), *Clematicissus opaca* (1, 17%), *Corymbia clarksoniana* (17%), *Corymbia dallachiana* (17%), *Croton arnhemicus* (1, 17%), *Cupaniopsis anacardioides* (17%), *Cyclophyllum coprosmoides* (17%), *Diospyros hebecarpa* (17%), *Dodonaea indet.* (2, 17%), *Elaeodendron melanocarpum* (17%), *Eucalyptus drepanophylla* (3, 17%), *Eucalyptus tereticornis* (17%), *Exocarpos latifolius* (1, 17%), *Harnieria hygrophiloides* (17%), *Jagera pseudorhus* var. *pseudorhus* (2, 17%), *Lithomyrtus obtusa* (5, 17%), *Lophostemon confertus* (17%), *Mallotus philippensis* (3, 17%), *Melaleuca* sp. (*Mt Wheeler P.I.Forster+ PIF13792*) (17%), *Paraserianthes toona* (17%), *Parsonsia plaesiophylla* (1, 17%), *Pittosporum ferrugineum* (2, 17%), *Pittosporum spinescens* (5, 17%), *Planchonia careya* (17%), *Pogonolobus reticulatus* (17%), *Polyscias elegans* (17%), *Psychotria indet.* (17%), *Psychotria* sp. (*Shute Harbour L.J.Webb+ 7916*) (17%), *Stephania japonica* (17%), *Terminalia sericocarpa* (17%), *Xanthorrhoea indet.* (20, 17%)

Stratum: S2

Height avg. = 1.0m, range 0.5-1.5m, 2 sites

Crown cover avg. = 8.5%, range 2.0-15.0%, 2 sites

Frequent species (cover, frequency): *Acacia humifusa* (1, 17%), *Alyxia ruscifolia* (1, 17%), *Alyxia spicata* (2, 17%), *Gossia bidwillii* (17%), *Jasminum simplicifolium* (1, 17%), *Psychotria indet.* (1, 17%), *Sauropus albiflorus* (1, 17%), *Xanthorrhoea indet.* (10, 17%)

Stratum: G

Height avg. = 0.4m, 1 site

PFC avg. = 53.0%, 1 site

Dominant species (relative cover, frequency): *Gahnia aspera* (32, 100%), *Pandorea pandorana* (23, 100%), *Lomandra longifolia* (17, 100%), *Lomandra multiflora* (6, 100%), *Aristida gracilipes* (3, 100%)

Frequent species (cover, frequency): GRAMINOIDS: *Aristida gracilipes* (2, 100%), *Chrysopogon fallax* (100%), *Cymbopogon refractus* (100%), *Digitaria diffusa* (100%), *Gahnia aspera* (18, 100%), *Heteropogon contortus* (100%), *Oplismenus burmannii* (100%), *Scleria mackaviensis* (1, 100%)

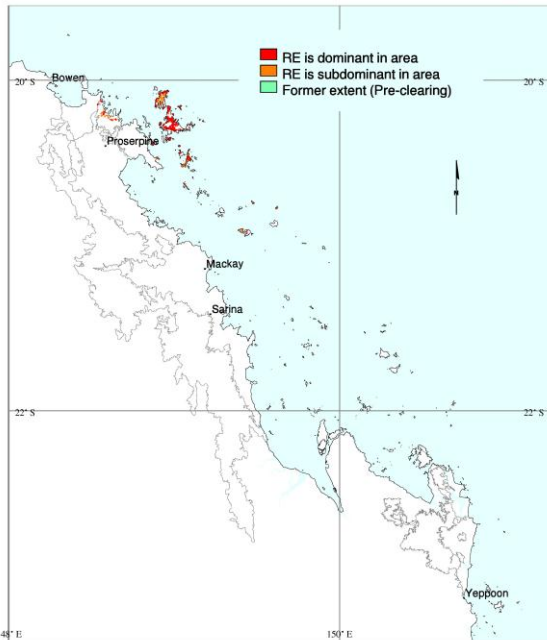
FORBS: *Ageratum conyzoides* subsp. *conyzoides** (100%), *Alphitonia excelsa* (100%), *Aristolochia pubera* (100%), *Brunonia australis* (1, 100%), *Bursaria tenuifolia* (1, 100%), *Cassipoua filiformis* (100%), *Cheilanthes nudiuscula* (100%), *Clematicissus opaca* (100%), *Commelina indet.* (100%), *Cupaniopsis anacardioides* (100%), *Cyanthillium cinereum* (100%), *Desmodium gunnii* (100%), *Dianella longifolia* (100%), *Diospyros geminata* (1, 100%), *Drypetes deplanchei* (100%), *Eustrephus latifolius* (100%), *Glycine cyrtoloba* (100%), *Glycine tomentella* (100%), *Jasminum didymum* (1, 100%), *Leucas decedentata* (100%), *Lomandra longifolia* (10, 100%), *Lomandra multiflora* (3, 100%), *Mallotus philippensis* (100%), *Mimusops elengi* (100%), *Pandorea pandorana* (13, 100%), *Parsonsia plaesiophylla* (100%), *Passiflora suberosa** (1, 100%), *Psydrax odorata* (100%), *Rostellularia indet.* (100%), *Secamone elliptica* (100%), *Sida hackettiana* (100%), *Stachytarpheta jamaicensis** (100%), *Stephania japonica* (100%), *Thecanthes cornucopiae* (100%), *Triumfetta rhomboidea** (100%)

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

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

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

Acacia spirorbis low open-forest on hill slopes of islands and headlands on Mesozoic to Proterozoic igneous rocks, and Tertiary acid to intermediate volcanics (subregions 1 and 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 9,077 9,030 99%

Species recorded: Total: 133; woody: 86; ground: 59; Avg. spp./site: 47.5; std dev.: 12.5, 2 site(s)

Basal area: Avg./site: 19.5 m²/ha, range: 10.0 - 25 m²/ha, std. deviation: 5 m²/ha, 6 site(s)

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

Representative sites: 31165, 36108, 36126, 36264, 36265, 36266, 36990.

Stratum: E

Height avg. = 22.0m, 1 site

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

Dominant species (relative cover, frequency): Araucaria cunninghamii (100, 29%)

Frequent species (cover, frequency): Araucaria cunninghamii (2, 29%)

Stratum: T1

Height avg. = 14.3m, range 10.5-18m, 5 sites

Crown cover avg. = 71.7%, range 57.0-90.0%, 7 sites

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

Dominant species (relative cover, frequency): Acacia spirorbis subsp. solandri (53, 100%), Eucalyptus exserta (20, 71%), Eucalyptus tereticornis (18, 43%), Corymbia tessellaris (16, 29%), Eucalyptus drepanophylla (8, 43%)

Frequent species (cover, frequency): Acacia spirorbis subsp. solandri (40, 100%), Eucalyptus exserta (14, 71%), Euroschinus falcatus (1, 57%), Eucalyptus drepanophylla (6, 43%), Eucalyptus tereticornis (12, 43%), Lophostemon confertus (2, 43%), Corymbia tessellaris (10, 29%), Jagera pseudorhus var. pseudorhus (2, 29%), Paraserianthes toona (1, 29%), Acacia fasciculifera (5, 14%), Acacia leptostachya (30, 14%), Acronychia laevis (14%), Alphitonia excelsa (14%), Araucaria cunninghamii (5, 14%), Clematicissus opaca (14%), Corymbia clarksoniana (5, 14%), Corymbia dallachiana (5, 14%), Corymbia intermedia (15, 14%), Dioscorea transversa (14%), Drypetes deplanchei (14%), Eucalyptus platyphylla (14%), Gossia bidwillii (14%), Memecylon pauciflorum (14%), Mimusops elengi (14%), Polyscias elegans (14%), Pouteria pohlmanniana (14%), Psychotria sp. (Shute Harbour L.J.Webb+ 7916) (14%), Psydrax odorata (14%), Tabernaemontana orientalis (14%), Terminalia sericocarpa (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 7.6m, range 5-10m, 5 sites

Crown cover avg. = 28.6%, range 12.0-40.0%, 7 sites

Stem density/ha avg. = 1000, range 800-1200, 2 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (62, 29%), *Larsenaikia jardinei* (54, 29%), *Alphitonia excelsa* (17, 43%), *Memecylon pauciflorum* (14, 29%), *Gossia bidwillii* (14, 29%)

Frequent species (cover, frequency): *Acacia spirorbis* subsp. *solandri* (3, 57%), *Alphitonia excelsa* (1, 43%), *Euroschinus falcatus* (3, 43%), *Polyscias elegans* (2, 43%), *Acronychia laevis* (1, 29%), *Cupaniopsis anacardioides* (1, 29%), *Diospyros hebecarpa* (2, 29%), *Gossia bidwillii* (5, 29%), *Larsenaikia jardinei* (8, 29%), *Lophostemon confertus* (15, 29%), *Memecylon pauciflorum* (5, 29%), *Pleiogynium timorense* (1, 29%), *Acacia leptostachya* (14%), *Aidia racemosa* (2, 14%), *Alectryon connatus* (14%), *Alyxia spicata* (8, 14%), *Araucaria cunninghamii* (14%), *Bursaria tenuifolia* (14%), *Clematicissus opaca* (2, 14%), *Cupaniopsis simulata* (14%), *Drypetes deplanchei* (14%), *Eucalyptus exserta* (14%), *Glycosmis trifoliata* (1, 14%), *Mallotus philippensis* (30, 14%), *Melaleuca viminalis* (14%), *Mimusops elengi* (1, 14%), *Olea paniculata* (5, 14%), *Polyalthia nitidissima* (1, 14%), *Psydrax odorata* (12, 14%), *Sapindaceae* indet. (14%), *Terminalia sericocarpa* (14%)

Stratum: T3

Height avg. = 3.8m, range 3-4m, 4 sites

Crown cover avg. = 10.4%, range 0.0-20.0%, 5 sites

Stem density/ha avg. = 280, 1 site

Dominant species (relative cover, frequency): *Diospyros geminata* (14, 43%), *Euroschinus falcatus* (14, 29%), *Drypetes deplanchei* (13, 29%), *Claoxylon tenerifolium* (12, 29%), *Tabernaemontana orientalis* (10, 29%)

Frequent species (cover, frequency): *Diospyros geminata* (2, 43%), *Mallotus philippensis* (43%), *Alectryon connatus* (1, 29%), *Alyxia ruscifolia* (1, 29%), *Cassia* indet. (1, 29%), *Claoxylon tenerifolium* (29%), *Drypetes deplanchei* (1, 29%), *Euroschinus falcatus* (1, 29%), *Fitzalania heteropetala* (29%), *Maytenus disperma* (29%), *Melodorum leichhardtii* (1, 29%), *Micromelum minutum* (1, 29%), *Paraserianthes toona* (29%), *Psychotria* indet. (1, 29%), *Tabernaemontana orientalis* (1, 29%), *Acacia leptostachya* (14%), *Acacia spirorbis* subsp. *solandri* (14%), *Acronychia laevis* (2, 14%), *Aidia racemosa* (14%), *Antidesma parvifolium* (14%), *Araucaria cunninghamii* (14%), *Asclepiadaceae* indet. (14%), *Bursaria tenuifolia* (1, 14%), *Canthium* indet. (1, 14%), *Capparis* indet. (14%), *Chionanthus ramiflora* (2, 14%), *Cissus oblonga* (1, 14%), *Clematicissus opaca* (14%), *Cyclophyllum coprosmoides* (14%), *Diospyros hebecarpa* (2, 14%), *Ficus opposita* (14%), *Gossia bidwillii* (2, 14%), *Lantana camara** (2, 14%), *Larsenaikia jardinei* (2, 14%), *Lophostemon confertus* (14%), *Memecylon pauciflorum* var. *pauciflorum* (2, 14%), *Mimusops elengi* (1, 14%), *Neolitsea brassii* (14%), *Planchonia careya* (14%), *Pouteria* indet. (14%), *Pouteria pohlmiana* (14%), *Pouteria sericea* (14%), *Psydrax odorata* (14%), *Smilax australis* (14%), *Terminalia porphyrocarpa* (14%), *Trophis scandens* (1, 14%)

Stratum: S1

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

Crown cover avg. = 8.2%, range 0.0-20.0%, 6 sites

Stem density/ha avg. = 320, range 120-520, 2 sites

Dominant species (relative cover, frequency): *Alyxia spicata* (47, 29%), *Lantana camara** (35, 43%), *Psychotria* indet. (27, 29%), *Dodonaea lanceolata* var. *subsessilifolia* (18, 29%), *Acacia spirorbis* subsp. *solandri* (15, 29%)

Frequent species (cover, frequency): *Alphitonia excelsa* (1, 43%), *Lantana camara** (1, 43%), *Acacia spirorbis* subsp. *solandri* (3, 29%), *Acronychia laevis* (29%), *Alyxia spicata* (8, 29%), *Dodonaea lanceolata* var. *subsessilifolia* (29%), *Drypetes deplanchei* (1, 29%), *Mimusops elengi* (1, 29%), *Psychotria* indet. (2, 29%), *Psydrax odorata* (2, 29%), *Bursaria tenuifolia* (1, 14%), *Cassytha* indet. (14%), *Claoxylon tenerifolium* (14%), *Clematicissus opaca* (14%), *Dioscorea transversa* (14%), *Eucalyptus exserta* (14%), *Euroschinus falcatus* (2, 14%), *Glycosmis trifoliata* (14%), *Gossia bidwillii* (2, 14%), *Lophostemon confertus* (14%), *Mallotus philippensis* (1, 14%), *Melaleuca viminalis* (1, 14%), *Passiflora suberosa** (1, 14%), *Phyllanthus* indet. (14%), *Pittosporum ferrugineum* (14%), *Pleiogynium timorense* (14%), *Polyscias elegans* (14%), *Pouteria pohlmiana* (14%), *Pouteria sericea* (2, 14%), *Psychotria* sp. (*Shute Harbour* L.J.Webb+ 7916) (14%), *Sauropus albiflorus* (1, 14%), *Terminalia sericocarpa* (14%), *Trema tomentosa* (14%), *Xanthorrhoea* indet. (1, 14%), *Xanthorrhoea latifolia* subsp. *latifolia* (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, (only comprehensive sites used for ground stratum).

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

Stratum: S2

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

Crown cover avg. = 6.5%, range 0.0-13.0%, 2 sites

Frequent species (cover, frequency): *Acacia leptostachya* (14%), *Acacia spirorbis* subsp. *solandri* (2, 14%), *Alphitonia excelsa* (2, 14%), *Alyxia spicata* (14%), *Asclepiadaceae* indet. (14%), *Bursaria tenuifolia* (14%), *Claoxylon tenerifolium* (14%), *Clerodendrum floribundum* (2, 14%), *Dodonaea lanceolata* var. *subsessilifolia* (14%), *Eustrephus latifolius* (14%), *Gossia bidwillii* (1, 14%), *Hibiscus divaricatus* (14%), *Jasminum didymum* (14%), *Lantana camara** (2, 14%), *Mallotus philippensis* (1, 14%), *Memecylon pauciflorum* (14%), *Phyllanthus novae-hollandiae* (14%), *Pouteria sericea* (2, 14%), *Psychotria* indet. (1, 14%), *Psychotria loniceroides* (14%), *Sauropus albiflorus* (14%)

Stratum: G

Height avg. = 0.5m, 1 site

PFC avg. = 34.0%, range 21-47%, 2 sites

Dominant species (relative cover, frequency): *Gahnia aspera* (64, 100%), *Scleria sphacelata* (36, 50%), *Passiflora suberosa** (9, 50%), *Alyxia spicata* (6, 50%), *Cassytha filiformis* (2, 50%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Gahnia aspera* (19, 100%), *Oplismenus compositus* (50%), *Paspalidium distans* (50%), *Paspalidium gracile* (50%), *Scleria brownii* (1, 50%), *Scleria sphacelata* (18, 50%), *Setaria sphacelata** (50%), *Themeda triandra* (50%)

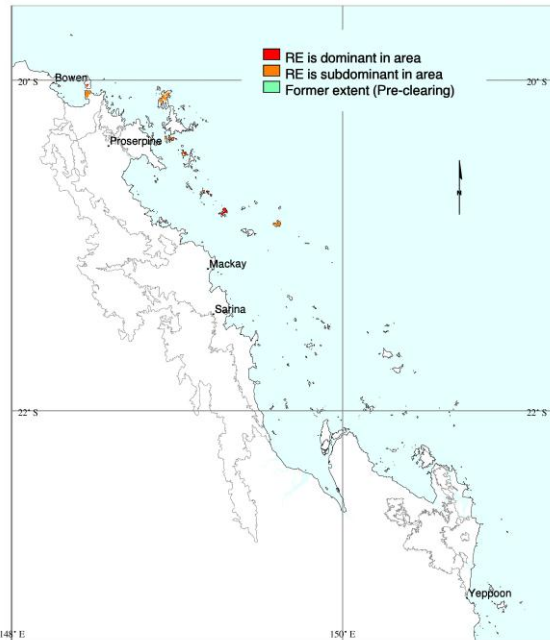
FORBS: *Aristolochia thozetii* (100%), *Clematicissus opaca* (100%), *Dianella caerulea* (1, 100%), *Eustrephus latifolius* (100%), *Ageratum conyzoides* (50%), *Alyxia spicata* (3, 50%), *Aristolochia pubera* (1, 50%), *Cassytha filiformis* (1, 50%), *Cheilanthes tenuifolia* (50%), *Commelina diffusa* (50%), *Curculigo ensifolia* (50%), *Dioscorea bulbifera* (50%), *Dioscorea transversa* (50%), *Drynaria rigidula* (50%), *Eucalyptus drepanophylla* (50%), *Euroschinus falcatus* (50%), *Geodorum densiflorum* (50%), *Glossocarya hemiderma* (50%), *Hybanthus stellarioides* (50%), *Ipomoea mauritiana* (50%), *Lomandra longifolia* (50%), *Lomandra multiflora* (50%), *Pandorea pandorana* (50%), *Passiflora foetida** (50%), *Passiflora* indet. (50%), *Passiflora suberosa** (4, 50%), *Pseuderanthemum variabile* (50%), *Pycnospora lutescens* (50%), *Sauropus albiflorus* (50%), *Secamone elliptica* (50%), *Tacca leontopetaloides* (50%), *Trophis scandens* (50%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 low open-forest on slopes of islands on Mesozoic to Proterozoic igneous rocks, and Tertiary acid to intermediate volcanics (subregions 1 and 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 1,987 1,948 98%

Species recorded: Total: 95; woody: 49; ground: 53; Avg. spp./site: 33.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 30.6 m²/ha, range: 19.0 - 59 m²/ha, std. deviation: 15 m²/ha, 5 site(s)

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

Representative sites: 19517, 36268, 36269, 36988, 36989.

Stratum: T1

Height avg. = 15.0m, range 6.5-28m, 4 sites
 Crown cover avg. = 66.8%, range 26.0-96.0%, 5 sites
 Stem density/ha avg. = 240, 1 site

Dominant species (relative cover, frequency): Lophostemon confertus (57, 100%), Eucalyptus drepanophylla (31, 40%), Eucalyptus tereticornis (26, 60%), Acacia spirorbis subsp. solandri (5, 40%)

Frequent species (cover, frequency): Lophostemon confertus (45, 100%), Eucalyptus tereticornis (17, 60%), Acacia spirorbis subsp. solandri (4, 40%), Eucalyptus drepanophylla (9, 40%), Acacia leptostachya (2, 20%), Allocasuarina littoralis (5, 20%), Corymbia clarksoniana (1, 20%), Eucalyptus exserta (20, 20%), Eucalyptus platyphylla (4, 20%), Livistona decora (1, 20%)

Stratum: T2

Height avg. = 9.5m, range 4-15m, 2 sites
 Crown cover avg. = 50.0%, range 38.0-69.0%, 3 sites
 Stem density/ha avg. = 4440, 1 site

Dominant species (relative cover, frequency): Lophostemon confertus (92, 40%)

Frequent species (cover, frequency): Lophostemon confertus (49, 40%), Acacia leptostachya (3, 20%), Allocasuarina littoralis (20%), Arytera indet. (20%), Chionanthus ramiflora (1, 20%), Corymbia clarksoniana (20%), Cupaniopsis anacardioides (20%), Diospyros indet. (1, 20%), Eucalyptus drepanophylla (6, 20%), Eucalyptus tereticornis (20%), Exocarpos latifolius (20%), Ficus indet. (20%), Lauraceae indet. (20%), Litsea indet. (15, 20%), Mallotus philippensis (10, 20%), Maytenus disperma (20%), Myristica indet. (20%), Pittosporum ferrugineum (10, 20%), Pouteria sericea (1, 20%), Schefflera actinophylla (5, 20%), Scolopia braunii (20%), Timonius timon var. timon (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 3.0m, 1 site

Crown cover avg. = 16.0%, 1 site

Frequent species (cover, frequency): *Acronychia laevis* (20%), *Alphitonia excelsa* (20%), *Alyxia ruscifolia* (1, 20%), *Clematicissus opaca* (20%), *Corymbia dallachiana* (2, 20%), *Cupaniopsis anacardioides* (2, 20%), *Drypetes deplanchei* (2, 20%), *Eucalyptus exserta* (20%), *Lantana camara** (1, 20%), *Litsea indet.* (1, 20%), *Mallotus philippensis* (1, 20%), *Pittosporum ferrugineum* (1, 20%), *Pouteria sericea* (3, 20%), *Sauropus albiflorus* (1, 20%), *Schefflera actinophylla* (20%)

Stratum: S1

Height avg. = 0.7m, range 0.4-1m, 3 sites

Crown cover avg. = 28.3%, range 4.0-83.0%, 4 sites

Stem density/ha avg. = 1160, 1 site

Dominant species (relative cover, frequency): *Xanthorrhoea indet.* (94, 40%), *Alphitonia excelsa* (1, 40%)

Frequent species (cover, frequency): *Alphitonia excelsa* (40%), *Xanthorrhoea indet.* (13, 40%), *Acacia multisiliqua* (20%), *Acronychia laevis* (20%), *Allocasuarina littoralis* (20%), *Cupaniopsis anacardioides* (20%), *Cycas media* (20%), *Desmodium gunnii* (20%), *Dodonaea lanceolata* var. *subsessilifolia* (1, 20%), *Eucalyptus drepanophylla* (1, 20%), *Eucalyptus tereticornis* (20%), *Fitzalania heteropetala* (20%), *Jasminum didymum* (20%), *Jasminum indet.* (20%), *Lantana camara** (1, 20%), *Lauraceae indet.* (20%), *Lepiderema indet.* (20%), *Lophostemon confertus* (2, 20%), *Macaranga tanarius* (1, 20%), *Pandorea pandorana* (1, 20%), *Pittosporum ferrugineum* (20%), *Pouteria sericea* (20%), *Sapindaceae indet.* (20%), *Smilax indet.* (20%), *Tetrastigma indet.* (1, 20%), *Timonius timon* var. *timon* (20%), *Xanthorrhoea latifolia* subsp. *latifolia* (80, 20%)

Stratum: G

PFC avg. = 3.0%, 1 site

Dominant species (relative cover, frequency): *Scleria mackaviensis* (38, 100%), *Eucalyptus drepanophylla* (8, 100%), *Pandorea pandorana* (8, 100%), *Oplismenus burmannii* (4, 100%), *Digitaria diffusa* (4, 100%)

Frequent species (cover, frequency): GRAMINOIDS: *Digitaria diffusa* (100%), *Imperata cylindrica* (100%), *Oplismenus burmannii* (100%), *Panicum effusum* (100%), *Paspalidium distans* (100%), *Scleria mackaviensis* (2, 100%)

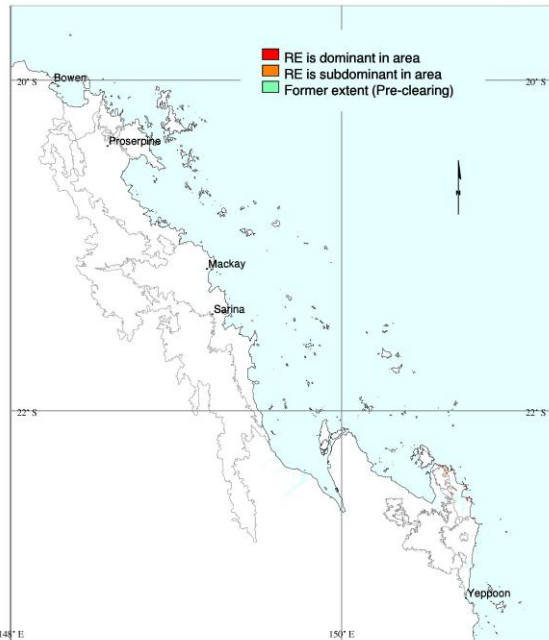
FORBS: *Ageratum conyzoides* subsp. *conyzoides** (100%), *Aristolochia pubera* (100%), *Brunoniella australis* (100%), *Centella asiatica* (100%), *Commelina diffusa* (100%), *Cyanthillium cinereum* (100%), *Desmodium gunnii* (100%), *Desmodium rhytidophyllum* (100%), *Desmodium triflorum** (100%), *Dianella longifolia* (100%), *Emilia sonchifolia** (100%), *Eucalyptus drepanophylla* (100%), *Eustrephus latifolius* (100%), *Flemingia parviflora* (100%), *Lomandra multiflora* (100%), *Pandorea pandorana* (100%), *Passiflora suberosa** (100%), *Pittosporum ferrugineum* (100%), *Psychotria* sp. (*Shute Harbour L.J.Webb+7916*) (100%), *Sida hackettiana* (100%)

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

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

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

Eucalyptus crebra and/or Lophostemon confertus and/or E. exserta +/- Corymbia spp. open-forest on Mesozoic to Proterozoic igneous rocks on islands and headlands



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 436 436 100%

Species recorded: Total: 119; woody: 63; ground: 81; Avg. spp./site: 36.0; std dev.: 7.0, 2 site(s)

Basal area: Avg./site: 9.5 m²/ha, range: 9.5 - 10 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Open-forest: 4%; low woodland: 4%; unrecorded: 92%, 25 site(s)

Representative sites: 19945, 44196, 44197, 44199, 44206, 44210, 44218, 44325, 44333, 44347, 44348, 44350, 44351, 44352, 44354, 44368, 44375, 44429, 44430, 44431, 44433, 44435, 44440, 44696, 44867.

Stratum: E

Height avg. = 10.7m, range 6-19m, 3 sites

Frequent species (cover, frequency): Eucalyptus crebra (12%), Eucalyptus exserta (4%)

Stratum: T1

Height avg. = 8.8m, range 3-14m, 22 sites

Crown cover avg. = 33.0%, 1 site

Stem density/ha avg. = 100, 1 site

Dominant species (relative cover, frequency): Lophostemon confertus (38, 48%), Corymbia intermedia (35, 32%), Eucalyptus crebra (35, 44%), Corymbia clarksoniana (21, 28%), Eucalyptus exserta (15, 48%)

Frequent species (cover, frequency): Eucalyptus exserta (3, 48%), Lophostemon confertus (16, 48%), Eucalyptus crebra (6, 44%), Corymbia intermedia (6, 32%), Corymbia clarksoniana (5, 28%), Corymbia trachyphloia (4, 20%), Acacia disparrima subsp. disparrima (13, 12%), Eucalyptus portuensis (2, 12%), Acacia julifera subsp. curvinervia (23, 8%), Banksia integrifolia subsp. compar (2, 8%), Cupaniopsis anacardioides (9, 8%), Grevillea banksii (4, 8%), Acacia flavescens (3, 4%), Acacia leptocarpa (39, 4%), Allocasuarina littoralis (4, 4%), Araucaria cunninghamii (6, 4%), Corymbia tessellaris (4%), Eucalyptus drepanophylla (21, 4%), Eucalyptus indet. (8, 4%), Eucalyptus platyphylla (3, 4%), Eucalyptus tereticornis (4%), Lophostemon suaveolens (7, 4%), Melaleuca dealbata (5, 4%), Melaleuca nervosa (4%), Petalostigma pubescens (4%), Pittosporum ferrugineum (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, (only comprehensive sites used for ground stratum).

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

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

Stratum: T2

Height avg. = 5.7m, range 3-10m, 11 sites

Dominant species (relative cover, frequency): Acacia disparrima subsp. disparrima (36, 24%)

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (11, 24%), Acacia flavescens (4, 16%), Lophostemon confertus (12, 16%), Banksia integrifolia subsp. compar (2, 12%), Eucalyptus indet. (5, 12%), Alphitonia excelsa (13, 8%), Grevillea banksii (2, 8%), Acacia leiocalyx (2, 4%), Allocasuarina littoralis (10, 4%), Allocasuarina torulosa (30, 4%), Clematicissus opaca (5, 4%), Cupaniopsis anacardioides (20, 4%), Diospyros geminata (2, 4%), Dodonaea viscosa (5, 4%), Drypetes deplanchei (2, 4%), Eucalyptus platyphylla (2, 4%), Grewia latifolia (20, 4%), Jagera pseudorhus var. pseudorhus (2, 4%), Lophostemon suaveolens (2, 4%), Melaleuca nervosa (2, 4%), Melaleuca viridiflora var. viridiflora (10, 4%), Passiflora suberosa (5, 4%), Pittosporum ferrugineum (5, 4%), Planchonia careya (5, 4%), Sarcostemma viminalis (5, 4%)*

Stratum: T3

Height avg. = 4.5m, range 4-5m, 2 sites

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (30, 4%), Allocasuarina torulosa (5, 4%), Lophostemon confertus (5, 4%), Planchonia careya (10, 4%)

Stratum: S1

Height avg. = 1.8m, range 0.8-3m, 22 sites

Crown cover avg. = 33.0%, 1 site

Stem density/ha avg. = 2620, 1 site

Dominant species (relative cover, frequency): Lophostemon confertus (37, 48%), Grevillea banksii (12, 36%)

Frequent species (cover, frequency): Lophostemon confertus (11, 48%), Grevillea banksii (4, 36%), Acacia disparrima subsp. disparrima (17, 20%), Dodonaea lanceolata var. subsessilifolia (7, 20%), Eucalyptus exserta (8, 16%), Eucalyptus indet. (4, 16%), Passiflora suberosa (11, 16%), Acacia indet. (19, 12%), Melaleuca nervosa (3, 12%), Planchonia careya (9, 12%), Acacia crassa subsp. longicoma (6, 8%), Acacia leiocalyx (2, 8%), Acacia leptocarpa (4, 8%), Allocasuarina littoralis (13, 8%), Banksia integrifolia subsp. compar (4, 8%), Brachychiton bidwillii (4, 8%), Cassytha indet. (10, 8%), Clematicissus opaca (2, 8%), Cupaniopsis anacardioides (6, 8%), Eucalyptus crebra (14, 8%), Jacksonia scoparia (7, 8%), Lantana camara* (6, 8%), Lithomyrtus obtusa (8, 8%), Lophostemon suaveolens (1, 8%), Melaleuca viridiflora var. viridiflora (8, 8%), Pouteria sericea (1, 8%), Acacia julifera subsp. curvinervia (10, 4%), Allocasuarina torulosa (2, 4%), Alphitonia excelsa (5, 4%), Alyxia ruscifolia (5, 4%), Breynia oblongifolia (2, 4%), Cassytha pubescens (4%), Clerodendrum floribundum (2, 4%), Comesperma esulifolium (5, 4%), Corymbia clarksoniana (4, 4%), Corymbia intermedia (2, 4%), Eucalyptus drepanophylla (4, 4%), Eucalyptus platyphylla (4%), Eustrephus latifolius (2, 4%), Exocarpos cupressiformis (5, 4%), Hibiscus indet. (2, 4%), Hovea indet. (2, 4%), Keraudrenia lanceolata (2, 4%), Leucopogon leptospermoides (2, 4%), Persoonia virgata (2, 4%), Petalostigma pubescens (5, 4%), Pimelea linifolia (2, 4%), Pittosporum ferrugineum (5, 4%), Sarcostemma viminalis (5, 4%), Sarcostemma viminalis subsp. brunonianum (2, 4%), Xylosma ovatum (4%)*

Stratum: S2

Height avg. = 0.6m, 1 site

Frequent species (cover, frequency): Lithomyrtus obtusa (20, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 0.4-0.8m, 2 sites

PFC avg. = 36.0%, 1 site

Dominant species (relative cover, frequency): Themeda triandra (38, 100%), Xanthorrhoea latifolia subsp. latifolia (17, 100%), Pittosporum ferrugineum (9, 50%), Eustrephus latifolius (9, 50%), Passiflora suberosa (9, 50%)*

Frequent species (cover, frequency): GRAMINOIDS: Imperata cylindrica (1, 100%), Themeda triandra (20, 100%), Alloteropsis semialata (50%), Aristida indet. (2, 50%), Aristida queenslandica var. queenslandica (50%), Cymbopogon oblectus (50%), Cyperus fulvus (50%), Cyperus indet. (2, 50%), Eremochloa bimaculata (2, 50%), Oplismenus aemulus (2, 50%), Paspalidium gausum (50%), Paspalidium indet. (2, 50%), Scleria mackaviensis (2, 50%), Setaria pumila (2, 50%)*

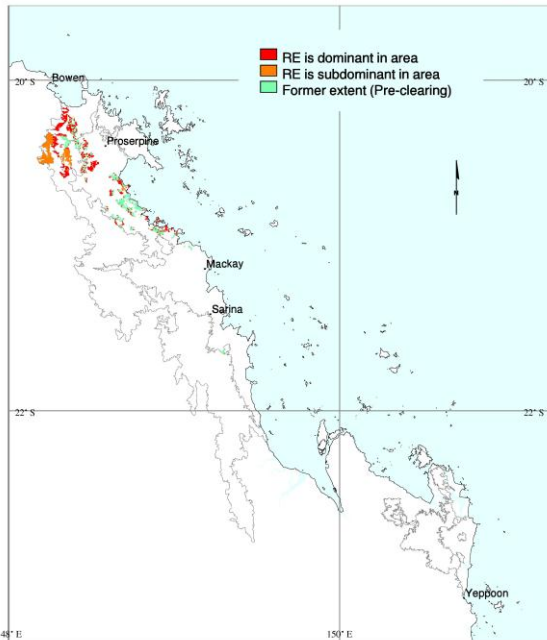
FORBS: Dianella caerulea (1, 100%), Phyllanthus virgatus (1, 100%), Xanthorrhoea latifolia subsp. latifolia (7, 100%), Acacia flavescens (2, 50%), Acacia indet. (50%), Alyxia ruscifolia (2, 50%), Breynia oblongifolia (2, 50%), Cassytha filiformis (50%), Cupaniopsis anacardioides (2, 50%), Cyanthillium cinereum (50%), Desmodium brachypodum (2, 50%), Dianella longifolia var. longifolia (50%), Diospyros geminata (50%), Dodonaea lanceolata var. subsessilifolia (50%), Dodonaea viscosa (2, 50%), Eustrephus latifolius (9, 50%), Evolvulus alsinoides (50%), Grevillea banksii (50%), Grewia latifolia (9, 50%), Jasminum simplicifolium subsp. australiense (2, 50%), Lantana camara (50%), Lithomyrtus obtusa (2, 50%), Lomandra indet. (2, 50%), Lomandra multiflora (50%), Pandanus tectorius (2, 50%), Passiflora suberosa* (9, 50%), Peripleura diffusa (50%), Pittosporum ferrugineum (9, 50%), Pycnospora lutescens (50%), Rostellularia adscendens (50%), Spermacoce brachystema (50%), Zornia floribunda (50%)*

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

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

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

Eucalyptus drepanophylla and/or E. platyphylla woodland on low gently undulating landscapes (grading into land zone 3 or 5) on Mesozoic to Proterozoic igneous rocks (subregions 2 and 6)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 42,487 16,767 39%

Species recorded: Total: 74; woody: 10; ground: 64; Avg. spp./site: 63.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 17.0 m²/ha, range: 16.0 - 18 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

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

Representative sites: 36270, 36504.

Stratum: E

Height avg. = 16.0m, 1 site

Crown cover avg. = 2.0%, 1 site

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

Frequent species (cover, frequency): Eucalyptus drepanophylla (2, 50%)

Stratum: T1

Height avg. = 17.0m, range 10-24m, 2 sites

Crown cover avg. = 52.0%, range 32.0-72.0%, 2 sites

Stem density/ha avg. = 160, 1 site

Dominant species (relative cover, frequency): Eucalyptus drepanophylla (31, 100%), Eucalyptus platyphylla (30, 100%), Eucalyptus tereticornis (28, 50%), Corymbia clarksoniana (22, 100%), Corymbia tessellaris (4, 50%)

Frequent species (cover, frequency): Corymbia clarksoniana (10, 100%), Eucalyptus drepanophylla (10, 100%), Eucalyptus platyphylla (21, 100%), Corymbia dallachiana (50%), Corymbia tessellaris (3, 50%), Eucalyptus tereticornis (20, 50%), Melaleuca nervosa (50%)

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

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

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

Stratum: T2

Height avg. = 8.5m, range 5-12m, 2 sites

Crown cover avg. = 23.0%, range 20.0-26.0%, 2 sites

Stem density/ha avg. = 440, 1 site

Dominant species (relative cover, frequency): Melaleuca viridiflora var. viridiflora (100, 50%), Corymbia tessellaris (36, 50%), Eucalyptus platyphylla (28, 50%), Acacia leptocarpa (14, 100%), Planchonia careya (8, 50%)

Frequent species (cover, frequency): Acacia leptocarpa (4, 100%), Corymbia clarksoniana (50%), Corymbia tessellaris (10, 50%), Eucalyptus platyphylla (7, 50%), Melaleuca viridiflora var. viridiflora (20, 50%), Planchonia careya (2, 50%)

Stratum: G

PFC avg. = 58.0%, 1 site

Dominant species (relative cover, frequency): Mnesithea rottboellioides (39, 100%), Heteropogon contortus (15, 100%), Imperata cylindrica (15, 100%), Vacoparis laxiflorum (11, 100%), Themeda triandra (5, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Cyperus cyperoides (100%), Cyperus fulvus (100%), Fimbristylis dichotoma (100%), Fimbristylis littoralis (100%), Heteropogon contortus (10, 100%), Imperata cylindrica (10, 100%), Mnesithea rottboellioides (25, 100%), Paspalidium distans (1, 100%), Paspalum scrobiculatum (100%), Schizachyrium indet. (100%), Scleria brownii (100%), Sorghum nitidum forma aristatum (100%), Sporobolus indet. (100%), Themeda triandra (3, 100%), Vacoparis laxiflorum (7, 100%)

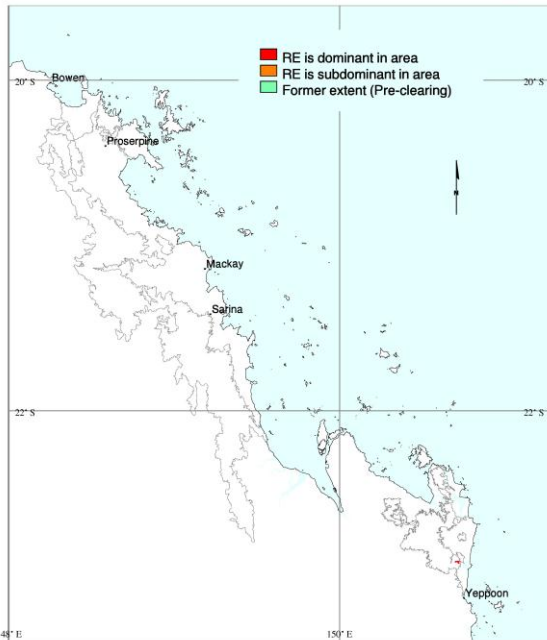
FORBS: Alphonsea excelsa (100%), Alysicarpus vaginalis (100%), Aristolochia thozetii (100%), Asclepiadaceae indet. (100%), Blumea saxatilis (100%), Breynia oblongifolia (100%), Chamaecrista mimosoides (100%), Commelina lanceolata (100%), Crassocephalum crepidioides* (100%), Crotalaria montana (100%), Crotalaria pallida (100%), Cyathium cinereum (100%), Desmodium heterocarpon var. strigosum (100%), Desmodium rhytidophyllum (100%), Desmodium triflorum* (100%), Dianella longifolia (100%), Eustrephus latifolius (100%), Ficus opposita (100%), Flemingia lineata (1, 100%), Flemingia parviflora (1, 100%), Galactia tenuiflora (1, 100%), Geodorum densiflorum (100%), Glochidion apodogynum (100%), Glochidion lobocarpum (100%), Glycine cyrtoloba (100%), Glycine tomentella (100%), Ipomoea plebeia (100%), Mimosa pudica* (100%), Murdannia gigantea (100%), Passiflora suberosa* (100%), Phyllanthus virgatus (100%), Rhynchosia minima (100%), Spermacoce brachystema (100%), Spermacoce indet. (100%), Stylosanthes guianensis* (100%), Synedrella nodiflora* (100%), Tephrosia filipes (100%), Thecanthes cornucopiae (100%), Timonius timon var. timon (100%), Triumfetta rhomboidea* (100%), Uraria lagopodioides (100%)*

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

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

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

Eucalyptus platyphylla +/- Corymbia spp. +/- E. crebra woodland on colluvial foot slopes (grading into land zone 3 or 5), on Mesozoic to Proterozoic igneous rocks (subregion 4)



Joy Brushhe

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 324 324 100%

Species recorded: Total: 50; woody: 29; ground: 26; Average species per site and standard deviation not available

Basal area: Not available

Structural formation: Unrecorded: 100%, 7 site(s)

Representative sites: 44211, 44334, 44335, 44443, 44528, 44667, 44668.

Stratum: T1

Height avg. = 13.6m, range 10-22m, 7 sites

Dominant species (relative cover, frequency): Eucalyptus crebra (64, 43%), Lophostemon suaveolens (50, 29%), Eucalyptus platyphylla (31, 100%), Corymbia intermedia (23, 57%), Corymbia trachyphloia (19, 29%)

Frequent species (cover, frequency): Eucalyptus platyphylla (5, 100%), Corymbia intermedia (5, 57%), Eucalyptus crebra (5, 43%), Corymbia trachyphloia (2, 29%), Lophostemon suaveolens (10, 29%), Acacia disparrima subsp. disparrima (3, 14%), Corymbia clarksoniana (1, 14%), Corymbia tessellaris (1, 14%), Eucalyptus tereticornis (6, 14%)

Stratum: T2

Height avg. = 7.2m, range 2.5-14m, 7 sites

Dominant species (relative cover, frequency): Allocasuarina torulosa (44, 57%), Acacia disparrima subsp. disparrima (27, 43%), Lophostemon suaveolens (26, 43%), Glochidion lobocarpum (21, 43%), Timonius timon var. timon (20, 29%)

Frequent species (cover, frequency): Allocasuarina torulosa (13, 57%), Acacia disparrima subsp. disparrima (7, 43%), Glochidion lobocarpum (8, 43%), Lophostemon suaveolens (12, 43%), Planchonia careya (6, 43%), Eucalyptus indet. (2, 29%), Eucalyptus platyphylla (4, 29%), Timonius timon var. timon (8, 29%), Acacia flavescens (2, 14%), Alphonsea excelsa (5, 14%), Ficus indet. (14%), Grewia latifolia (2, 14%), Ipomoea cairica (5, 14%), Lophostemon confertus (20, 14%), Melaleuca nervosa (14%), Melaleuca viridiflora var. viridiflora (20, 14%), Pogonolobus reticulatus (5, 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, (only comprehensive sites used for ground stratum).

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

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

Stratum: S1

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

Dominant species (relative cover, frequency): Allocasuarina torulosa (32, 43%), Passiflora suberosa (21, 29%), Alphitonia excelsa (21, 29%), Planchonia careya (17, 43%), Acacia flavescens (9, 29%)*

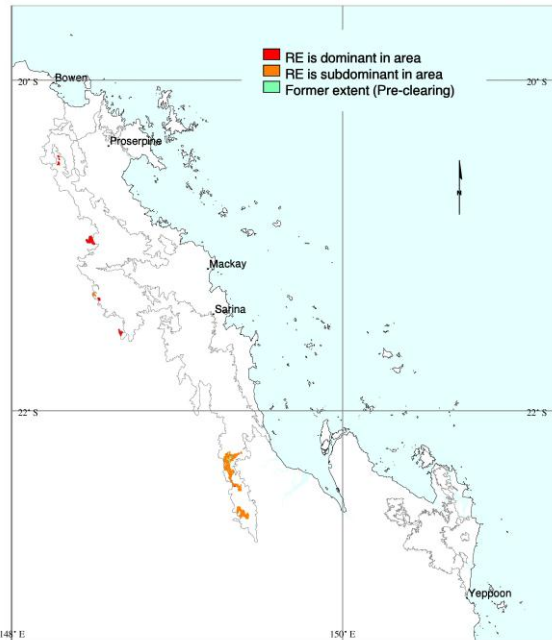
Frequent species (cover, frequency): Allocasuarina torulosa (7, 43%), Planchonia careya (2, 43%), Acacia flavescens (2, 29%), Alphitonia excelsa (5, 29%), Passiflora suberosa (5, 29%), Acacia disparrima subsp. disparrima (10, 14%), Acronychia laevis (14%), Brachychiton bidwillii (2, 14%), Dodonaea lanceolata var. subsessilifolia (2, 14%), Eucalyptus indet. (2, 14%), Eucalyptus platyphylla (2, 14%), Grevillea banksii (2, 14%), Jacksonia scoparia (10, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 elevated tablelands on Mesozoic to Proterozoic igneous rocks



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 2,904 2,855 98%

Species recorded: Total: 53; woody: 10; ground: 43; Avg. spp./site: 41.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 17.7 m²/ha, range: 15.0 - 20 m²/ha, std. deviation: 2 m²/ha, 3 site(s)

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

Representative sites: 36213, 36214, 36284.

Stratum: T1

Height avg. = 15.3m, range 14-17m, 3 sites
 Crown cover avg. = 66.3%, range 50.0-92.0%, 3 sites
 Stem density/ha avg. = 280, 1 site

Dominant species (relative cover, frequency): Eucalyptus moluccana (75, 100%), Eucalyptus drepanophylla (13, 100%), Corymbia citriodora (6, 100%), Eucalyptus portuensis (5, 67%), Eucalyptus tereticornis (4, 33%)

Frequent species (cover, frequency): Corymbia citriodora (3, 100%), Eucalyptus drepanophylla (7, 100%), Eucalyptus moluccana (53, 100%), Corymbia intermedia (1, 67%), Eucalyptus portuensis (4, 67%), Lophostemon suaveolens (1, 67%), Corymbia indet. (33%), Eucalyptus tereticornis (2, 33%)

Stratum: T2

Height avg. = 2.7m, 1 site
 Crown cover avg. = 1.0%, 1 site
Dominant species (relative cover, frequency): Lophostemon suaveolens (100, 33%)
Frequent species (cover, frequency): Lophostemon suaveolens (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 0.5m, range 0.5-0.5m, 2 sites

Crown cover avg. = 3.0%, range 2.0-4.0%, 2 sites

Dominant species (relative cover, frequency): Xanthorrhoea latifolia subsp. latifolia (72, 67%), Eucalyptus portuensis (24, 33%), Eucalyptus moluccana (24, 33%), Breynia oblongifolia (4, 67%)

Frequent species (cover, frequency): Breynia oblongifolia (67%), Xanthorrhoea latifolia subsp. latifolia (2, 67%), Eucalyptus moluccana (1, 33%), Eucalyptus portuensis (1, 33%)

Stratum: G

Height avg. = 0.3m, 1 site

PFC avg. = 23.0%, 1 site

Dominant species (relative cover, frequency): Themeda triandra (56, 100%), Chrysopogon fallax (16, 100%), Lomandra longifolia (6, 100%), Eustrephus latifolius (2, 100%), Desmodium rhytidophyllum (2, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Chrysopogon fallax (4, 100%), Cymbopogon refractus (100%), Cyperus cyperoides (100%), Eragrostis brownii (100%), Eremochloa bimaculata (100%), Imperata cylindrica (100%), Lepidosperma laterale (100%), Microlaena stipoides (100%), Panicum effusum (100%), Panicum simile (100%), Sarga leiocladum (100%), Scleria brownii (100%), Sporobolus jacquemontii (100%), Themeda triandra (14, 100%)*

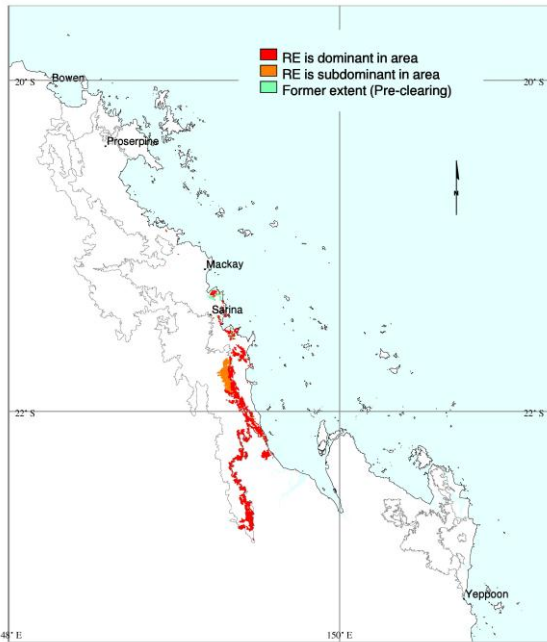
FORBS: Commelina indet. (100%), Cyathillium cinereum (100%), Desmodium rhytidophyllum (100%), Desmodium varians (100%), Dianella caerulea (100%), Eremophila debilis (100%), Eustrephus latifolius (1, 100%), Flemingia parviflora (100%), Galactia tenuiflora var. lucida (100%), Hardenbergia violacea (100%), Lomandra confertifolia (100%), Lomandra longifolia (2, 100%), Phyllanthus virgatus (100%), Polygala japonica (100%), Ranunculus lappaceus (100%), Rostellularia adscendens (100%), Tephrosia indet. (100%), Veronica plebeia (100%), Zornia indet. (100%)

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

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

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

Eucalyptus drepanophylla and/or Corymbia clarksoniana +/- C. erythrophloia +/- E. platyphylla +/- E. exserta +/- C. trachyphloia woodland on hills and ranges at low to moderate altitudes, in drier areas



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 52,409 44,168 84%

Species recorded: Total: 134; woody: 43; ground: 102; Avg. spp./site: 41.3; std dev.: 14.2, 4 site(s)

Basal area: Avg./site: 10.7 m²/ha, range: 5.0 - 20 m²/ha, std. deviation: 6 m²/ha, 4 site(s)

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

Representative sites: 19104, 19439, 32511, 35685.

Stratum: T1

Height avg. = 12.8m, range 10-16m, 4 sites

Crown cover avg. = 42.8%, range 11.0-81.0%, 4 sites

Stem density/ha avg. = 230, range 180-280, 3 sites

Dominant species (relative cover, frequency): Eucalyptus melanophloia (100, 25%), Corymbia erythrophloia (44, 50%), Eucalyptus platyphylla (43, 25%), Eucalyptus drepanophylla (41, 75%), Eucalyptus tereticornis (20, 25%)

Frequent species (cover, frequency): Eucalyptus drepanophylla (28, 75%), Corymbia erythrophloia (18, 50%), Corymbia clarksoniana (9, 25%), Corymbia dallachiana (25%), Eucalyptus melanophloia (11, 25%), Eucalyptus platyphylla (6, 25%), Eucalyptus portuensis (10, 25%), Eucalyptus tereticornis (17, 25%)

Stratum: T2

Height avg. = 6.2m, range 3.5-10m, 3 sites

Crown cover avg. = 11.0%, range 4.0-22.0%, 3 sites

Stem density/ha avg. = 471, range 80-733, 3 sites

Dominant species (relative cover, frequency): Corymbia erythrophloia (97, 50%), Corymbia clarksoniana (44, 25%), Eucalyptus drepanophylla (28, 50%), Corymbia dallachiana (2, 25%), Acacia leptocarpa (2, 25%)

Frequent species (cover, frequency): Corymbia erythrophloia (13, 50%), Eucalyptus drepanophylla (2, 50%), Acacia leptocarpa (25%), Alphitonia excelsa (25%), Corymbia clarksoniana (3, 25%), Corymbia dallachiana (25%), Dendrophthoe glabrescens (25%), Planchonia careya (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 1.3-4m, 4 sites

Crown cover avg. = 14.8%, range 0.0-49.0%, 4 sites

Stem density/ha avg. = 1436, range 600-2667, 3 sites

Dominant species (relative cover, frequency): *Dodonaea viscosa* subsp. *burmanniana* (34, 25%), *Cycas media* (33, 25%), *Dodonaea lanceolata* var. *subsessilifolia* (33, 25%), *Capparis canescens* (33, 25%), *Lantana camara** (32, 25%)

Frequent species (cover, frequency): *Acacia leptocarpa* (1, 50%), *Eucalyptus drepanophylla* (1, 50%), *Acacia disparrima* (25%), *Alectryon connatus* (1, 25%), *Alphitonia excelsa* (7, 25%), *Breynia oblongifolia* (25%), *Capparis canescens* (25%), *Cassytha filiformis* (25%), *Cissus oblonga* (25%), *Corymbia clarksoniana* (25%), *Corymbia dallachiana* (1, 25%), *Crotalaria pallida* (25%), *Cupaniopsis anacardioides* (25%), *Cycas indet.* (1, 25%), *Cycas media* (25%), *Cycas media* subsp. *media* (1, 25%), *Diospyros geminata* (2, 25%), *Dodonaea lanceolata* var. *subsessilifolia* (25%), *Dodonaea viscosa* subsp. *burmanniana* (17, 25%), *Drypetes deplanchei* (1, 25%), *Erythrina vespertilio* (25%), *Ficus opposita* (25%), *Geijera salicifolia* (1, 25%), *Glochidion lobocarpum* (2, 25%), *Jagera pseudorhus* var. *pseudorhus* (25%), *Jasminum didymum* (25%), *Lantana camara** (16, 25%), *Mallotus philippensis* (1, 25%), *Maytenus disperma* (1, 25%), *Melia azedarach* (25%), *Pandorea pandorana* (25%), *Paraserianthes toona* (25%), *Planchonia careya* (2, 25%), *Pogonolobus reticulatus* (1, 25%), *Psydrax odorata* (1, 25%), *Secamone elliptica* (25%), *Xanthorrhoea indet.* (1, 25%)

Stratum: G

Height avg. = 0.4m, range 0.3-0.5m, 4 sites

PFC avg. = 40.3%, range 20-65%, 4 sites

Dominant species (relative cover, frequency): *Themeda triandra* (58, 50%), *Gahnia aspera* (37, 25%), *Xanthorrhoea indet.* (29, 50%), *Aristida personata* (18, 50%), *Digitaria minima* (9, 25%)

Frequent species (cover, frequency): GRAMINOIDS: *Aristida personata* (4, 50%), *Heteropogon contortus* (3, 50%), *Heteropogon triticeus* (50%), *Mnesithea rottboellioides* (2, 50%), *Schizachyrium indet.* (2, 50%), *Sorghum nitidum* forma *aristatum* (4, 50%), *Themeda triandra* (33, 50%), *Abildgaardia ovata* (25%), *Aristida gracilipes* (25%), *Aristida queenslandica* var. *dissimilis* (25%), *Aristida spuria* (25%), *Aristida utilis* var. *utilis* (25%), *Bothriochloa bladhii* subsp. *bladhii* (25%), *Capillipedium indet.* (4, 25%), *Capillipedium spicigerum* (25%), *Cymbopogon bombycinus* (25%), *Cymbopogon refractus* (1, 25%), *Cyperaceae indet.* (25%), *Cyperus fulvus* (25%), *Cyperus gracilis* (25%), *Digitaria minima* (2, 25%), *Enteropogon unispiceus* (25%), *Eragrostis sororia* (25%), *Eragrostis spartinooides* (25%), *Gahnia aspera* (8, 25%), *Imperata cylindrica* (25%), *Melinis repens** (25%), *Panicum effusum* (25%), *Panicum indet.* (25%), *Rhynchospora heterochaeta* (3, 25%), *Scleria mackaviensis* (1, 25%), *Scleria tricuspidata* (25%), *Tripogon loliformis* (2, 25%)

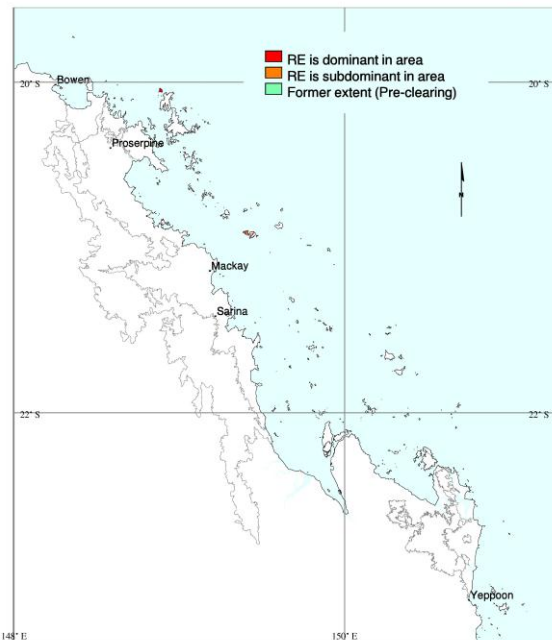
FORBS: *Crotalaria montana* (75%), *Cyanthillium cinereum* (75%), *Aristolochia pubera* (50%), *Breynia oblongifolia* (50%), *Cassytha filiformis* (50%), *Chamaecrista nomame* var. *nomame* (50%), *Desmodium rhytidophyllum* (1, 50%), *Dianella caerulea* (50%), *Eustrephus latifolius* (1, 50%), *Flemingia parviflora* (50%), *Galactia tenuiflora* (1, 50%), *Glycine cyrtoloba* (1, 50%), *Hybanthus stellarioides* (50%), *Lantana camara** (50%), *Passiflora suberosa** (1, 50%), *Xanthorrhoea indet.* (13, 50%), *Acacia leptocarpa* (25%), *Alternanthera nana* (3, 25%), *Anisomeles malabarica* (25%), *Apocynaceae indet.* (25%), *Brunoniella australis* (25%), *Commelina lanceolata* (1, 25%), *Crotalaria lanceolata* subsp. *lanceolata** (25%), *Crotalaria medicaginea* (25%), *Crotalaria pallida* (25%), *Cycas media* subsp. *media* (1, 25%), *Desmodium pullenii* (1, 25%), *Desmodium varians* (25%), *Dianella indet.* (25%), *Emilia sonchifolia** (25%), *Eucalyptus drepanophylla* (25%), *Evolvulus alsinoides* (25%), *Ficus opposita* (25%), *Galactia indet.* (25%), *Glossocardia bidens* (25%), *Glycine indet.* (25%), *Grewia indet.* (25%), *Grewia latifolia* (25%), *Helichrysum lanuginosum* (25%), *Indigofera pratensis* (25%), *Iphigenia indica* (25%), *Jasminum didymum* (25%), *Lomandra confertifolia* subsp. *pallida* (25%), *Lomandra filiformis* subsp. *filiformis* (25%), *Lomandra longifolia* (25%), *Malvaceae indet.* (25%), *Paraserianthes toona* (25%), *Passiflora foetida** (25%), *Peripleura hispidula* var. *setosa* (25%), *Phyllanthus simplex* (25%), *Pterocaulon indet.* (25%), *Pterocaulon redolens* (25%), *Pycnospora lutescens* (25%), *Rhynchosia minima* (25%), *Rostellularia adscendens* (25%), *Rostellularia adscendens* var. *juncea* (25%), *Sida hackettiana* (25%), *Sida spinosa** (25%), *Spermacoce brachystema* (25%), *Spermacoce indet.* (25%), *Stachytarpheta jamaicensis** (25%), *Stylosanthes indet.* (25%), *Swainsona oroboides* (25%), *Tephrosia filipes* (25%), *Thecanthes cornucopiae* (25%), *Vigna radiata* var. *sublobata* (25%), *Xanthorrhoea johnsonii* (3, 25%), *Zornia muriculata* (25%), *Zornia muriculata* subsp. *muriculata* (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 +/- E. tereticornis x E. platyphylla woodland on hill slopes of islands on Mesozoic to Proterozoic igneous rocks



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 491 492 100%

Species recorded: Total: 134; woody: 22; ground: 122; Avg. spp./site: 44.4; std dev.: 15.1, 5 site(s)

Basal area: Avg./site: 7.9 m²/ha, range: 5.0 - 17 m²/ha, std. deviation: 5 m²/ha, 5 site(s)

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

Representative sites: 35724, 35744, 36889, 38492, 38504.

Stratum: T1

Height avg. = 9.3m, range 9-10m, 5 sites

Crown cover avg. = 58.0%, range 26.0-85.0%, 5 sites

Stem density/ha avg. = 280, range 160-460, 5 sites

Dominant species (relative cover, frequency): Eucalyptus tereticornis (64, 100%), Corymbia clarksoniana (23, 40%), Eucalyptus platyphylla x E.tereticornis (20, 60%)

Frequent species (cover, frequency): Eucalyptus tereticornis (34, 100%), Eucalyptus platyphylla x E.tereticornis (16, 60%), Corymbia clarksoniana (9, 40%), Allocasuarina littoralis (52, 20%), Corymbia tessellaris (5, 20%), Ficus rubiginosa forma glabrescens (20%)

Stratum: T2

Height avg. = 4.0m, range 3-5m, 3 sites

Crown cover avg. = 34.7%, range 15.0-62.0%, 3 sites

Stem density/ha avg. = 513, range 400-640, 3 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (46, 60%), Corymbia clarksoniana (18, 40%), Acronychia laevis (15, 40%), Diospyros geminata (12, 40%)

Frequent species (cover, frequency): Allocasuarina littoralis (12, 60%), Acronychia laevis (9, 40%), Corymbia clarksoniana (3, 40%), Diospyros geminata (2, 40%), Alyxia ruscifolia (20%), Alyxia spicata (20%), Clematicissus opaca (20%), Eucalyptus platyphylla x E.tereticornis (20%), Eucalyptus tereticornis (20%), Ficus opposita (20%), Hibbertia scandens (20%), Mallotus philippensis (20%), Neolitsea brassii (42, 20%), Pandorea pandorana (20%), Pouteria sericea (20%), Tabernaemontana orientalis (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 1.2m, range 0.9-1.5m, 3 sites

Crown cover avg. = 3.3%, range 2.0-5.0%, 3 sites

Stem density/ha avg. = 120, 1 site

Dominant species (relative cover, frequency): Lantana camara (44, 40%), Ficus opposita (18, 40%), Acronychia laevis (12, 40%), Diospyros geminata (3, 40%)*

Frequent species (cover, frequency): Acronychia laevis (1, 40%), Diospyros geminata (40%), Ficus opposita (1, 40%), Lantana camara (2, 40%), Allocasuarina littoralis (20%), Alyxia ruscifolia (20%), Alyxia spicata (20%), Clematicissus opaca (20%), Clerodendrum longiflorum var. glabrum (20%), Cycas media (20%), Hibbertia scandens (2, 20%), Mallotus philippensis (20%), Neolitsea brassii (20%), Pandorea pandorana (20%), Passiflora suberosa* (20%), Pouteria sericea (20%), Tabernaemontana orientalis (2, 20%)*

Stratum: G

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

PFC avg. = 47.2%, range 13-64%, 5 sites

Dominant species (relative cover, frequency): Gahnia aspera (31, 60%), Heteropogon contortus (23, 60%), Imperata cylindrica (22, 40%), Sorghum nitidum forma aristatum (15, 40%), Lomandra longifolia (10, 60%)

Frequent species (cover, frequency): GRAMINOIDS: Paspalidium distans (1, 80%), Cyperus fulvus (60%), Digitaria parviflora (1, 60%), Gahnia aspera (7, 60%), Heteropogon contortus (15, 60%), Sehima nervosum (3, 60%), Bothriochloa bladhii subsp. bladhii (40%), Heteropogon triticeus (1, 40%), Imperata cylindrica (14, 40%), Melinis repens (40%), Mnesithea granularis (40%), Oplismenus burmannii (40%), Panicum laevinode (1, 40%), Scleria mackaviensis (1, 40%), Sorghum nitidum forma aristatum (10, 40%), Themeda triandra (3, 40%), Abildgaardia ovata (3, 20%), Aristida personata (18, 20%), Aristida queenslandica var. dissimilis (20%), Aristida utilis var. utilis (2, 20%), Capillipedium indet. (2, 20%), Capillipedium spicigerum (20%), Chionachne cyathopoda (20%), Chrysopogon fallax (1, 20%), Cyperus kyllingia* (20%), Dichanthium sericeum subsp. sericeum (20%), Dichanthium tenue (20%), Digitaria diffusa (20%), Digitaria longiflora (20%), Digitaria minima (20%), Eragrostis spartinoides (20%), Fimbristylis dichotoma (20%), Megathyrsus maximus* (20%), Mnesithea rottboellioides (20%), Panicum effusum (20%), Panicum larcomianum (1, 20%), Sarga leiocladum (8, 20%), Schizachyrium indet. (20%), Scleria brownii (20%)*

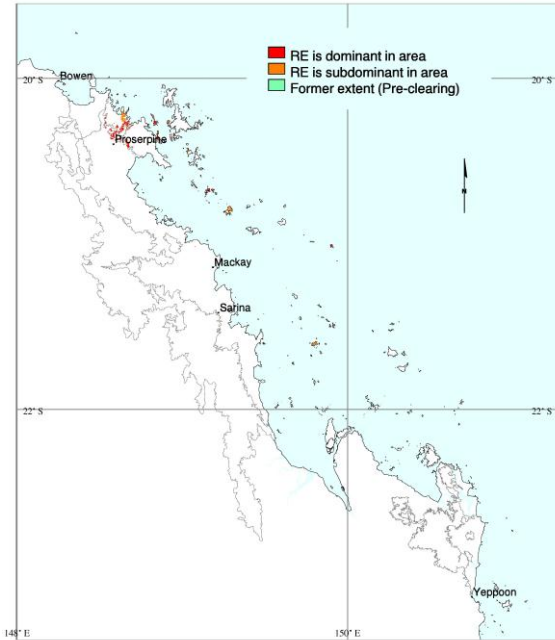
FORBS: Eustrephus latifolius (100%), Cyathillium cinereum (80%), Triumphetta rhomboidea (80%), Aristolochia thozetii (60%), Brunoniella australis (60%), Cheilanthes nudiuscula (60%), Clematicissus opaca (60%), Commelina diffusa (60%), Crotalaria calycina (60%), Flemingia parviflora (60%), Glycine tomentella (60%), Lomandra longifolia (5, 60%), Pandorea pandorana (60%), Pycnospora lutescens (60%), Tacca leontopetaloides (60%), Acronychia laevis (40%), Angiosperm indet. (40%), Anisomeles malabarica (40%), Aristolochia pubera (40%), Bidens bipinnata* (40%), Crotalaria pallida (40%), Curculigo ensifolia (1, 40%), Desmodium pullenii (40%), Dianella caerulea (40%), Glycine cyrtoloba (40%), Hibbertia scandens (1, 40%), Iphigenia indica (40%), Ipomoea plebeia (40%), Jasminum didymum (40%), Passiflora suberosa* (40%), Phyllanthus virgatus (40%), Pseuderanthemum variabile (40%), Sida cordifolia* (40%), Tephrosia filipes (40%), Adiantum aethiopicum (2, 20%), Adiantum atroviride (20%), Adiantum hispidulum (20%), Ageratum conyzoides (20%), Ageratum conyzoides subsp. conyzoides* (1, 20%), Alpinia caerulea (20%), Alysicarpus bupleurifolius* (20%), Alysicarpus indet. (20%), Alyxia spicata (20%), Blumea saxatilis (20%), Breynia oblongifolia (20%), Centella asiatica (20%), Chamaecrista absus var. absus (20%), Chamaecrista nomame var. nomame (20%), Cheilanthes brownii (20%), Crotalaria juncea* (20%), Crotalaria montana (20%), Cupaniopsis anacardioides (20%), Diospyros geminata (20%), Drypetes deplanchei (20%), Emilia sonchifolia* (20%), Evolvulus alsinoides var. decumbens (20%), Ficus opposita (20%), Galactia tenuiflora (20%), Grewia latifolia (20%), Grewia retusifolia (20%), Indigofera hirsuta (20%), Indigofera indet. (20%), Ipomoea indet. (20%), Knoxia sumatrensis (20%), Lantana camara* (20%), Macroptilium atropurpureum* (20%), Neolitsea brassii (1, 20%), Nervilia indet. (20%), Ophioglossum reticulatum (20%), Passiflora foetida* (20%), Pterocaulon indet. (20%), Pterocaulon sphacelatum (20%), Rostellularia indet. (1, 20%), Sigesbeckia orientalis (20%), Spermacoe indet. (20%), Stachytarpheta jamaicensis* (20%), Stephania japonica (20%), Uraria lagopodioides (20%), Vigna indet. (20%), Vigna vexillata var. angustifolia (20%), Wikstroemia indica (20%), Xanthorrhoea indet. (27, 20%), Xenostegia tridentata (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 and/or Eucalyptus tereticornis open-forest on hill slopes of islands and near coastal areas, on Mesozoic to Proterozoic igneous rocks, and Tertiary acid to intermediate volcanics



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 4,539 3,184 70%

Species recorded: Total: 151; woody: 43; ground: 129; Avg. spp./site: 55.0; std dev.: 15.0, 4 site(s)

Basal area: Avg./site: 13.8 m²/ha, range: 5.5 - 17 m²/ha, std. deviation: 5 m²/ha, 4 site(s)

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

Representative sites: 19479, 31007, 35384, 35706.

Stratum: T1

Height avg. = 16.0m, range 6-20m, 4 sites
 Crown cover avg. = 75.8%, range 44.0-97.0%, 4 sites
 Stem density/ha avg. = 927, range 160-2560, 4 sites

Dominant species (relative cover, frequency): Corymbia tessellaris (60, 100%), Eucalyptus tereticornis (28, 75%), Melaleuca viridiflora var. viridiflora (27, 25%), Corymbia intermedia (23, 25%), Albizia procera (12, 25%)

Frequent species (cover, frequency): Corymbia tessellaris (53, 100%), Eucalyptus tereticornis (13, 75%), Corymbia clarksoniana (50%), Acacia leptocarpa (4, 25%), Albizia procera (10, 25%), Alphitonia excelsa (25%), Amyema indet. (25%), Corymbia intermedia (10, 25%), Dendrobium canaliculatum (25%), Dendrophthoe glabrescens (25%), Dendrophthoe indet. (25%), Eucalyptus drepanophylla (25%), Eucalyptus platyphylla (8, 25%), Glochidion lobocarpum (25%), Melaleuca viridiflora var. viridiflora (21, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 10.0m, range 6-14m, 2 sites

Crown cover avg. = 58.3%, range 16.0-91.0%, 3 sites

Stem density/ha avg. = 778, range 480-1133, 3 sites

Dominant species (relative cover, frequency): *Lophostemon confertus* (62, 25%), *Glochidion lobocarpum* (42, 25%), *Albizia procera* (39, 50%), *Acacia spirorbis subsp. solandri* (23, 25%), *Ficus opposita* (14, 50%)

Frequent species (cover, frequency): *Corymbia tessellaris* (4, 75%), *Mallotus philippensis* (3, 75%), *Albizia procera* (11, 50%), *Ficus opposita* (4, 50%), *Acacia spirorbis subsp. solandri* (16, 25%), *Alphitonia excelsa* (25%), *Chionanthus ramiflora* (11, 25%), *Corymbia clarksoniana* (25%), *Diospyros geminata* (4, 25%), *Eucalyptus tereticornis* (25%), *Glochidion lobocarpum* (38, 25%), *Lantana camara** (25%), *Lophostemon confertus* (42, 25%), *Melaleuca viridiflora var. viridiflora* (25%), *Pittosporum ferrugineum* (25%), *Planchonia careya* (1, 25%), *Pleiogynium timorense* (25%), *Psychotria sp.* (*Shute Harbour L.J.Webb+ 7916*) (13, 25%), *Smilax indet.* (25%), *Stephania japonica* (25%), *Timonius timon var. timon* (25%)

Stratum: T3

Height avg. = 4.0m, 1 site

Crown cover avg. = 36.5%, range 11.0-62.0%, 2 sites

Stem density/ha avg. = 2400, range 800-4000, 2 sites

Dominant species (relative cover, frequency): *Mallotus philippensis* (28, 50%), *Chionanthus ramiflora* (22, 25%), *Planchonia careya* (19, 25%), *Pittosporum ferrugineum* (19, 25%), *Acronychia laevis* (17, 25%)

Frequent species (cover, frequency): *Cupaniopsis anacardioides* (50%), *Ficus opposita* (3, 50%), *Mallotus philippensis* (15, 50%), *Timonius timon var. timon* (2, 50%), *Acacia spirorbis subsp. solandri* (8, 25%), *Acronychia laevis* (3, 25%), *Alectryon connatus* (3, 25%), *Chionanthus ramiflora* (3, 25%), *Corymbia clarksoniana* (25%), *Corymbia intermedia* (25%), *Corymbia tessellaris* (25%), *Dendrobium discolor* (25%), *Diospyros geminata* (2, 25%), *Drypetes deplanchei* (25%), *Eucalyptus tereticornis* (25%), *Glochidion lobocarpum* (25%), *Lophostemon confertus* (25%), *Maytenus disperma* (25%), *Mimusops elengi* (25%), *Pittosporum ferrugineum* (12, 25%), *Planchonia careya* (3, 25%), *Psychotria sp.* (*Shute Harbour L.J.Webb+ 7916*) (2, 25%), *Scolopia braunii* (25%), *Tabernaemontana orientalis* (25%), *Trophis scandens* (25%)

Stratum: S1

Height avg. = 2.1m, range 1.6-2.5m, 2 sites

Crown cover avg. = 30.7%, range 4.0-57.0%, 3 sites

Stem density/ha avg. = 2287, range 240-4000, 3 sites

Dominant species (relative cover, frequency): *Acacia leptocarpa* (31, 25%), *Cupaniopsis anacardioides* (29, 25%), *Jasminum simplicifolium subsp. australiense* (26, 25%), *Albizia procera* (22, 25%), *Chionanthus ramiflora* (17, 25%)

Frequent species (cover, frequency): *Alphitonia excelsa* (1, 75%), *Corymbia tessellaris* (2, 75%), *Ficus opposita* (75%), *Glochidion lobocarpum* (4, 75%), *Lantana camara** (1, 75%), *Exocarpos latifolius* (1, 50%), *Mallotus philippensis* (1, 50%), *Acacia leptocarpa* (10, 25%), *Acronychia laevis* (25%), *Albizia procera* (1, 25%), *Chionanthus ramiflora* (10, 25%), *Clerodendrum longiflorum var. glabrum* (25%), *Corymbia clarksoniana* (25%), *Cupaniopsis anacardioides* (17, 25%), *Dendrobium discolor* (25%), *Diospyros geminata* (3, 25%), *Drypetes deplanchei* (25%), *Eucalyptus drepanophylla* (25%), *Eucalyptus platyphylla* (25%), *Jasminum simplicifolium subsp. australiense* (15, 25%), *Maytenus disperma* (2, 25%), *Melaleuca viridiflora var. viridiflora* (5, 25%), *Pittosporum ferrugineum* (25%), *Planchonia careya* (25%), *Pogonolobus reticulatus* (25%), *Psychotria sp.* (*Shute Harbour L.J.Webb+ 7916*) (25%), *Scolopia braunii* (25%), *Smilax indet.* (25%), *Timonius timon var. timon* (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, (only comprehensive sites used for ground stratum).

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

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

Stratum: G

Height avg. = 0.6m, range 0.3-0.8m, 4 sites

PFC avg. = 54.3%, range 25-88%, 4 sites

Dominant species (relative cover, frequency): *Xanthorrhoea indet.* (71, 25%), *Megathyrsus maximus** (51, 25%), *Centrosema molle** (26, 25%), *Sorghum nitidum forma aristatum* (23, 50%), *Eustrephus latifolius* (18, 50%)

Frequent species (cover, frequency): **GRAMINOIDS:** *Heteropogon contortus* (75%), *Paspalidium distans* (1, 75%), *Chionachne cyathopoda* (2, 50%), *Imperata cylindrica* (9, 50%), *Oplismenus burmannii* (50%), *Oplismenus compositus* (50%), *Panicum effusum* (50%), *Scleria indet.* (1, 50%), *Scleria mackaviensis* (1, 50%), *Sorghum nitidum forma aristatum* (19, 50%), *Themeda triandra* (1, 50%), *Alloteropsis semialata* (25%), *Aristida queenslandica var. queenslandica* (25%), *Bothriochloa bladhii* subsp. *bladhii* (25%), *Capillipedium parviflorum* (25%), *Chrysopogon fallax* (25%), *Cyperus enervis* (25%), *Cyperus sphacelatus** (25%), *Digitaria diffusa* (25%), *Eragrostis brownii* (25%), *Eragrostis spartinooides* (25%), *Eremochloa bimaculata* (25%), *Eriachne rara* (25%), *Fimbristylis dichotoma* (25%), *Fimbristylis indet.* (1, 25%), *Heteropogon triticeus* (25%), *Megathyrsus maximus** (24, 25%), *Mnesithea rottboellioides* (5, 25%), *Panicum laevinode* (25%), *Paspalidium indet.* (25%), *Paspalum scrobiculatum* (25%), *Schizachyrium indet.* (25%), *Scleria sphacelata* (25%)

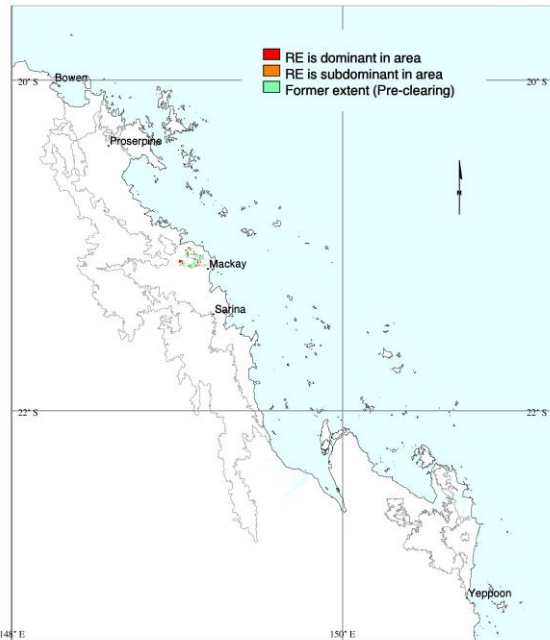
FORBS: *Passiflora suberosa** (1, 100%), *Aristolochia pubera* (75%), *Cupaniopsis anacardioides* (1, 75%), *Cyanthillium cinereum* (75%), *Flemingia parviflora* (1, 75%), *Jasminum didymum* (75%), *Adiantum aethiopicum* (50%), *Alphitonia excelsa* (1, 50%), *Cassytha filiformis* (50%), *Desmodium rhytidophyllum* (1, 50%), *Dianella caerulea* (50%), *Dianella longifolia* (50%), *Diospyros geminata* (2, 50%), *Eustrephus latifolius* (7, 50%), *Geitonoplesium cymosum* (50%), *Geodorum densiflorum* (50%), *Lomandra longifolia* (2, 50%), *Sida hackettiana* (50%), *Stachytarpheta jamaicensis** (50%), *Stephania japonica* (50%), *Triumfetta rhomboidea** (50%), *Abrus precatorius* (25%), *Acacia spirorbis subsp. solandri* (25%), *Adiantum hispidulum* (25%), *Ageratum conyzoides subsp. conyzoides** (25%), *Alectryon connatus* (25%), *Alyxia ruscifolia* (25%), *Anisomeles malabarica* (25%), *Bidens pilosa** (25%), *Brunoniella australis* (2, 25%), *Centrosema molle** (23, 25%), *Chamaecrista nomame var. nomame* (25%), *Cheilanthes tenuifolia* (25%), *Clematicissus opaca* (25%), *Commelina diffusa* (25%), *Commelina ensifolia* (25%), *Corymbia clarksoniana* (25%), *Corymbia intermedia* (25%), *Corymbia tessellaris* (25%), *Crotalaria lanceolata subsp. lanceolata** (25%), *Crotalaria montana* (25%), *Cryptocarya triplinervis* (25%), *Curculigo ensifolia* (25%), *Dendrotrophe varians* (25%), *Desmodium gunnii* (25%), *Desmodium pullenii* (25%), *Drynaria rigidula* (25%), *Drynaria sparsisora* (3, 25%), *Drypetes deplanchei* (25%), *Emilia sonchifolia** (25%), *Ficus opposita* (25%), *Fitzalania heteropetala* (25%), *Flemingia lineata* (25%), *Galactia tenuiflora* (25%), *Glycine cyrtoloba* (25%), *Glycine indet.* (25%), *Grewia australis* (25%), *Hybanthus indet.* (25%), *Indigofera hirsuta* (25%), *Iphigenia indica* (25%), *Jasminum simplicifolium* (25%), *Jasminum simplicifolium subsp. australiense* (5, 25%), *Lantana camara** (25%), *Lomandra indet.* (25%), *Lomandra multiflora* (25%), *Lophostemon confertus* (25%), *Macaranga involucreta var. mallotooides* (25%), *Macroptilium atropurpureum** (25%), *Mallotus philippensis* (1, 25%), *Maytenus disperma* (25%), *Mimosa pudica** (25%), *Mimusops elengi* (25%), *Murdannia graminea* (25%), *Olea paniculata* (25%), *Pandorea pandorana* (1, 25%), *Parsonsia plaesiophylla* (25%), *Phyllanthus indet.* (25%), *Phyllanthus simplex* (25%), *Pittosporum ferrugineum* (25%), *Polyalthia nitidissima* (25%), *Pycnospora lutescens* (2, 25%), *Rhynchosia minima* (25%), *Rostellularia indet.* (25%), *Schefflera actinophylla* (25%), *Scolopia braunii* (25%), *Sida cordifolia** (25%), *Sigesbeckia orientalis* (25%), *Smilax australis* (25%), *Spermacoce brachystema* (25%), *Tephrosia filipes* (25%), *Thecanthes cornucopiae* (25%), *Timonius timon var. timon* (25%), *Trophis scandens* (25%), *Uraria lagopodioides* (25%), *Vigna radiata var. sublobata* (25%), *Xanthorrhoea indet.* (45, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 open-forest with a secondary tree layer of Livistona decora +/- rainforest spp., on low hills on Mesozoic to Proterozoic igneous rocks



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 5,251 501 10%

Species recorded: Total: 54; woody: 21; ground: 48; Avg. spp./site: 40.0; std dev.: 11.0, 2 site(s)

Basal area: Avg./site: 12.3 m²/ha, range: 10.5 - 14 m²/ha, std. deviation: 2 m²/ha, 2 site(s)

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

Representative sites: 19454, 19455.

Stratum: T1

Height avg. = 24.5m, range 22-27m, 2 sites
 Crown cover avg. = 60.0%, range 58.0-62.0%, 2 sites
 Stem density/ha avg. = 140, range 120-160, 2 sites

Dominant species (relative cover, frequency): Corymbia tessellaris (73, 100%), Eucalyptus tereticornis (28, 50%), Corymbia clarksoniana (13, 100%)

Frequent species (cover, frequency): Corymbia clarksoniana (8, 100%), Corymbia tessellaris (45, 100%), Eucalyptus tereticornis (16, 50%)

Stratum: T2

Height avg. = 14.5m, range 13-16m, 2 sites
 Crown cover avg. = 21.5%, range 21.0-22.0%, 2 sites
 Stem density/ha avg. = 260, range 240-280, 2 sites

Dominant species (relative cover, frequency): Timonius timon var. timon (42, 50%), Corymbia tessellaris (39, 100%), Livistona decora (25, 100%), Jagera pseudorhus var. pseudorhus (19, 50%), Erythrina vespertilio (9, 50%)

Frequent species (cover, frequency): Corymbia tessellaris (9, 100%), Livistona decora (6, 100%), Corymbia clarksoniana (50%), Erythrina vespertilio (2, 50%), Eucalyptus tereticornis (50%), Jagera pseudorhus var. pseudorhus (4, 50%), Macaranga tanarius (50%), Mallotus philippensis (50%), Timonius timon var. timon (9, 50%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 8.5m, range 7-10m, 2 sites

Crown cover avg. = 6.5%, range 5.0-8.0%, 2 sites

Stem density/ha avg. = 300, range 160-440, 2 sites

Dominant species (relative cover, frequency): *Livistona decora* (91, 100%), *Macaranga tanarius* (12, 50%), *Planchonia careya* (2, 50%), *Mallotus philippensis* (1, 50%), *Jagera pseudorhus* var. *pseudorhus* (1, 50%)

Frequent species (cover, frequency): *Livistona decora* (6, 100%), *Corymbia tessellaris* (50%), *Erythrina vespertilio* (50%), *Jagera pseudorhus* var. *pseudorhus* (50%), *Macaranga tanarius* (1, 50%), *Mallotus philippensis* (50%), *Planchonia careya* (50%)

Stratum: S1

Height avg. = 2.2m, range 2-2.3m, 2 sites

Crown cover avg. = 5.0%, range 3.0-7.0%, 2 sites

Stem density/ha avg. = 1340, range 1120-1560, 2 sites

Dominant species (relative cover, frequency): *Triumfetta rhomboidea** (50, 50%), *Mallotus philippensis* (38, 100%), *Corymbia tessellaris* (14, 100%), *Jagera pseudorhus* var. *pseudorhus* (6, 50%), *Lantana camara** (4, 100%)

Frequent species (cover, frequency): *Corymbia clarksoniana* (100%), *Corymbia tessellaris* (1, 100%), *Crotalaria pallida* (100%), *Dysoxylum rufum* (100%), *Ficus opposita* (100%), *Lantana camara** (100%), *Mallotus philippensis* (3, 100%), *Timonius timon* var. *timon* (100%), *Albizia procera* (50%), *Bridelia tomentosa* (50%), *Citrus x limon** (50%), *Cupaniopsis anacardioides* (50%), *Jagera pseudorhus* var. *pseudorhus* (1, 50%), *Livistona decora* (50%), *Macaranga tanarius* (50%), *Maytenus disperma* (50%), *Scolopia braunii* (50%), *Triumfetta rhomboidea** (2, 50%)

Stratum: G

Height avg. = 1.3m, range 1.2-1.3m, 2 sites

PFC avg. = 56.0%, range 53-59%, 2 sites

Dominant species (relative cover, frequency): *Megathyrsus maximus** (80, 100%), *Passiflora suberosa** (5, 100%), *Stachytarpheta jamaicensis** (3, 100%), *Scleria mackaviensis* (2, 100%), *Triumfetta rhomboidea** (2, 100%)

Frequent species (cover, frequency): GRAMINOIDS: *Megathyrsus maximus** (47, 100%), *Scleria mackaviensis* (1, 100%), *Digitaria indet.* (50%), *Heteropogon contortus* (1, 50%), *Hyparrhenia rufa** (50%), *Melinis minutiflora** (50%)

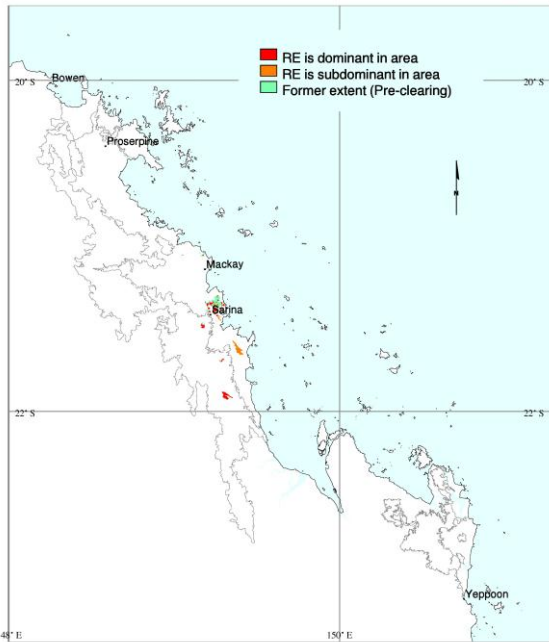
FORBS: *Centrosema molle** (100%), *Clematicissus opaca* (100%), *Crotalaria pallida* (100%), *Cupaniopsis anacardioides* (100%), *Dianella caerulea* (100%), *Dysoxylum rufum* (100%), *Emilia sonchifolia** (100%), *Eustrephus latifolius* (100%), *Ficus opposita* (100%), *Glochidion lobocarpum* (100%), *Jagera pseudorhus* var. *pseudorhus* (100%), *Lantana camara** (100%), *Livistona decora* (100%), *Macaranga tanarius* (100%), *Mallotus philippensis* (100%), *Passiflora suberosa** (3, 100%), *Polyscias elegans* (100%), *Stachytarpheta jamaicensis** (2, 100%), *Triumfetta rhomboidea** (1, 100%), *Albizia procera* (50%), *Aristolochia pubera* (50%), *Aristolochia thozetii* (50%), *Breynia oblongifolia* (50%), *Bridelia tomentosa* (50%), *Brunoniella australis* (50%), *Cissus oblonga* (50%), *Corymbia tessellaris* (50%), *Cyanthillium cinereum* (50%), *Desmodium gangeticum* (50%), *Desmodium rhytidophyllum* (50%), *Elattostachys xylocarpa* (50%), *Flemingia parviflora* (1, 50%), *Jasminum simplicifolium* (50%), *Litsea bindoniana* (50%), *Macaranga involucrata* var. *mallotoides* (50%), *Macroptilium atropurpureum** (50%), *Melia azedarach* (50%), *Mimosa pudica** (50%), *Myrsine variabilis* (50%), *Pittosporum ferrugineum* (50%), *Scolopia braunii* (50%), *Timonius timon* var. *timon* (50%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 or C. clarksoniana, +/- C. tessellaris +/- Eucalyptus tereticornis open-forest with a secondary tree layer of Livistona decora +/- rainforest spp., on low hills on Mesozoic to Proterozoic igneous rocks



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 7,730 2,401 31%

Species recorded: Total: 74; woody: 30; ground: 61; Avg. spp./site: 46.0; std dev.: 2.0, 2 site(s)

Basal area: Avg./site: 5.6 m²/ha, range: 4.8 - 7 m²/ha, std. deviation: 1 m²/ha, 2 site(s)

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

Representative sites: 19477, 19478.

Stratum: T1

Height avg. = 23.0m, range 20-26m, 2 sites

Crown cover avg. = 65.5%, range 56.0-75.0%, 2 sites

Stem density/ha avg. = 140, range 80-200, 2 sites

Dominant species (relative cover, frequency): Corymbia tessellaris (64, 100%), Corymbia clarksoniana (24, 100%), Lophostemon suaveolens (24, 50%)

Frequent species (cover, frequency): Corymbia clarksoniana (16, 100%), Corymbia tessellaris (41, 100%), Acacia spirorbis subsp. solandri (50%), Lophostemon suaveolens (18, 50%)

Stratum: T2

Height avg. = 11.0m, range 8-14m, 2 sites

Crown cover avg. = 23.0%, range 19.0-27.0%, 2 sites

Stem density/ha avg. = 320, range 200-440, 2 sites

Dominant species (relative cover, frequency): Livistona decora (68, 100%), Glochidion apodogynum (22, 50%), Corymbia tessellaris (22, 50%), Erythrina vespertilio (9, 50%), Lophostemon suaveolens (7, 50%)

Frequent species (cover, frequency): Livistona decora (15, 100%), Bursaria incana (50%), Corymbia tessellaris (6, 50%), Erythrina vespertilio (3, 50%), Glochidion apodogynum (6, 50%), Lophostemon suaveolens (2, 50%), Planchonia careya (50%), Terminalia sericocarpa (50%), Timonius timon var. timon (1, 50%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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

Crown cover avg. = 48.0%, 1 site

Stem density/ha avg. = 7680, 1 site

Dominant species (relative cover, frequency): *Livistona decora* (46, 50%), *Macaranga tanarius* (42, 50%), *Lantana camara** (6, 50%), *Solanum torvum** (2, 50%)

Frequent species (cover, frequency): *Albizia procera* (50%), *Alphitonia excelsa* (50%), *Corymbia tessellaris* (50%), *Crotalaria pallida* (50%), *Cupaniopsis anacardioides* (50%), *Cycas media subsp. media* (50%), *Euroschinus falcatus* (50%), *Glochidion apodogynum* (50%), *Glochidion lobocarpum* (50%), *Lantana camara** (3, 50%), *Livistona decora* (23, 50%), *Macaranga involucreta* var. *mallotooides* (50%), *Macaranga tanarius* (21, 50%), *Mallotus philippensis* (50%), *Melia azedarach* (50%), *Myrsine variabilis* (50%), *Neolitsea brassii* (50%), *Scolopia braunii* (50%), *Solanum torvum** (1, 50%)

Stratum: S1

Height avg. = 2.0m, 1 site

Crown cover avg. = 5.0%, 1 site

Stem density/ha avg. = 1760, 1 site

Dominant species (relative cover, frequency): *Lantana camara** (33, 50%), *Hibiscus heterophyllus* (33, 50%), *Livistona decora* (16, 50%), *Timonius timon* var. *timon* (2, 50%), *Planchonia careya* (2, 50%)

Frequent species (cover, frequency): *Bursaria incana* (50%), *Corymbia tessellaris* (50%), *Crotalaria pallida* (50%), *Cyanthillium cinereum* (50%), *Cycas media subsp. media* (50%), *Erythrina vespertilio* (50%), *Flemingia lineata* (50%), *Glochidion apodogynum* (50%), *Hibiscus heterophyllus* (2, 50%), *Lantana camara** (2, 50%), *Livistona decora* (1, 50%), *Lophostemon suaveolens* (50%), *Planchonia careya* (50%), *Timonius timon* var. *timon* (50%)

Stratum: G

Height avg. = 1.2m, range 1-1.3m, 2 sites

PFC avg. = 59.5%, range 51-68%, 2 sites

Dominant species (relative cover, frequency): *Digitaria indet.* (26, 100%), *Mnesithea rottboellioides* (19, 100%), *Heteropogon contortus* (13, 50%), *Melinis minutiflora** (10, 100%), *Melinis repens** (9, 50%)

Frequent species (cover, frequency): GRAMINOIDS: *Digitaria indet.* (18, 100%), *Megathyrsus maximus** (3, 100%), *Melinis minutiflora** (5, 100%), *Mnesithea rottboellioides* (11, 100%), *Oplismenus burmannii* (1, 100%), *Scleria indet.* (1, 100%), *Scleria mackaviensis* (2, 100%), *Cyperus enervis* (50%), *Cyperus indet.* (50%), *Gahnia aspera* (2, 50%), *Heteropogon contortus* (7, 50%), *Heteropogon triticeus* (50%), *Hyparrhenia rufa** (50%), *Imperata cylindrica* (50%), *Melinis repens** (6, 50%), *Scleria lithosperma* var. *linearis* (50%), *Sorghum nitidum* forma *aristatum* (4, 50%), *Themeda triandra* (50%)

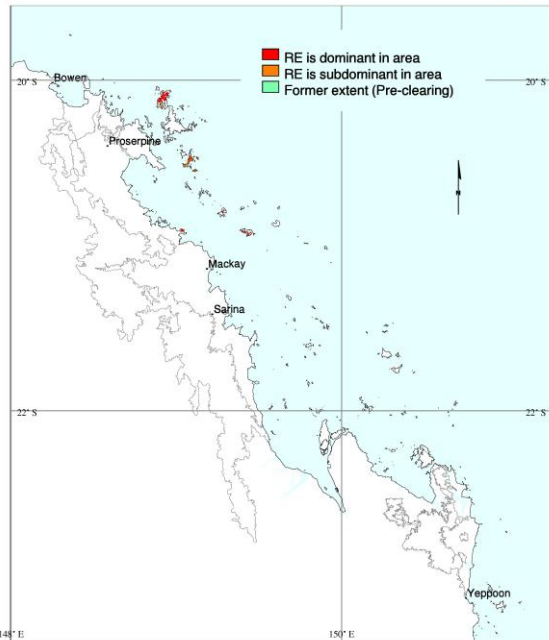
FORBS: *Ageratum conyzoides* subsp. *conyzoides** (1, 100%), *Crotalaria pallida* (100%), *Cycas media subsp. media* (100%), *Ficus opposita* (100%), *Glochidion apodogynum* (1, 100%), *Lantana camara** (1, 100%), *Mallotus philippensis* (100%), *Passiflora suberosa** (1, 100%), *Adiantum hispidulum* var. *hispidulum* (50%), *Ajuga australis* (50%), *Albizia procera* (50%), *Aristolochia pubera* (50%), *Aristolochia thozetii* (50%), *Asclepias curassavica** (1, 50%), *Breynia oblongifolia* (50%), *Chamaesyce hirta** (50%), *Corymbia tessellaris* (50%), *Cupaniopsis anacardioides* (1, 50%), *Cyanthillium cinereum* (1, 50%), *Desmodium brachypodium* (50%), *Dianella caerulea* (50%), *Elaeocarpus obovatus* (50%), *Embelia australiana* (50%), *Emilia sonchifolia** (50%), *Eustrephus latifolius* (50%), *Flemingia lineata* (50%), *Flemingia parviflora* (50%), *Geodorum densiflorum* (50%), *Glochidion lobocarpum* (50%), *Hibiscus heterophyllus* (2, 50%), *Jagera pseudorhus* var. *pseudorhus* (50%), *Livistona decora* (50%), *Macaranga involucreta* var. *mallotooides* (50%), *Macaranga tanarius* (2, 50%), *Melia azedarach* (50%), *Momordica charantia** (1, 50%), *Scolopia braunii* (3, 50%), *Sida rhombifolia** (50%), *Smilax australis* (50%), *Stephania japonica* (50%), *Tridax procumbens** (50%), *Triumfetta rhomboidea** (50%), *Wedelia spilanthis* (50%)

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

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

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

Allocasuarina littoralis closed-heath on hill slopes of islands on Mesozoic to Proterozoic igneous rocks, and Tertiary acid to intermediate volcanics (subregions 1 and 2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 1,658 1,689 102%

Species recorded: Total: 42; woody: 16; ground: 27; Avg. spp./site: 6.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 24.0 m²/ha, range: 24.0 - 24 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

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

Representative sites: 36105, 37026, 37029.

Stratum: T1

Height avg. = 5.0m, range 3.5-6.5m, 2 sites

Crown cover avg. = 96.5%, range 93.0-100.0%, 2 sites

Stem density/ha avg. = 3280, 1 site

Dominant species (relative cover, frequency): Allocasuarina littoralis (89, 67%), Corymbia intermedia (11, 33%), Corymbia clarksoniana (4, 33%), Melaleuca leucadendra (3, 33%), Lophostemon confertus (2, 33%)

Frequent species (cover, frequency): Allocasuarina littoralis (87, 67%), Alphitonia excelsa (33%), Clerodendrum inerme (33%), Corymbia clarksoniana (4, 33%), Corymbia dallachiana (33%), Corymbia intermedia (10, 33%), Lophostemon confertus (2, 33%), Melaleuca leucadendra (3, 33%), Melaleuca viridiflora var. viridiflora (1, 33%)

Stratum: T2

Crown cover avg. = 0.0%, 1 site

Stem density/ha avg. = 2040, 1 site

Dominant species (relative cover, frequency): Xanthorrhoea indet. (50, 33%), Allocasuarina littoralis (50, 33%)

Frequent species (cover, frequency): Allocasuarina littoralis (33%), Xanthorrhoea indet. (33%)

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

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

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

Stratum: S1

Height avg. = 1.4m, range 1-1.7m, 2 sites

Crown cover avg. = 53.5%, range 7.0-100.0%, 2 sites

Dominant species (relative cover, frequency): Allocasuarina littoralis (59, 33%), Pouteria sericea (50, 67%), Lophostemon confertus (15, 33%), Acacia leptostachya (15, 33%), Eucalyptus exserta (5, 33%)

Frequent species (cover, frequency): Pouteria sericea (1, 67%), Acacia humifusa (33%), Acacia leptostachya (15, 33%), Allocasuarina littoralis (59, 33%), Corymbia dallachiana (1, 33%), Eucalyptus exserta (5, 33%), Exocarpos cupressiformis (2, 33%), Lophostemon confertus (15, 33%), Pogonolobus reticulatus (2, 33%)

Stratum: G

Height avg. = 1.5m, 1 site

PFC avg. = 10.0%, 1 site

Dominant species (relative cover, frequency): Xanthorrhoea indet. (88, 100%), Lepidosperma laterale (10, 100%), Sauropus albiflorus (1, 100%), Paspalidium indet. (1, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Lepidosperma laterale (1, 100%), Paspalidium indet. (100%)

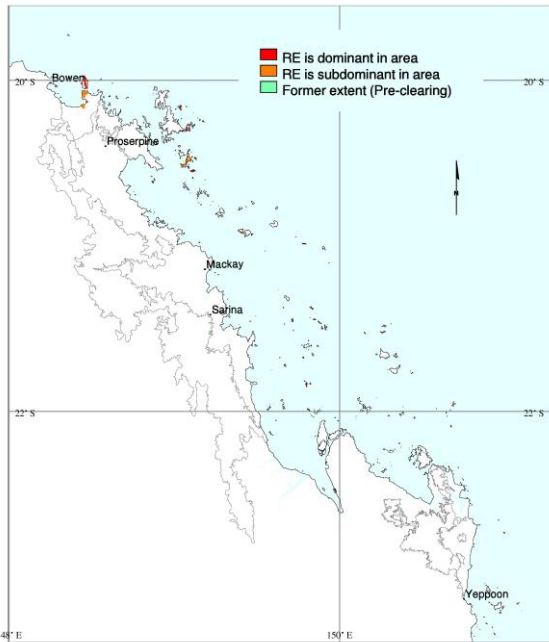
FORBS: Sauropus albiflorus (100%), Xanthorrhoea indet. (9, 100%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 and/or Acacia leptostachya +/- Allocasuarina littoralis +/- Melaleuca viridiflora tall shrubland, on islands and headlands, on Mesozoic to Proterozoic igneous and Tertiary acid to intermediate rock (subregions 1-2)



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 2,963 2,960 100%

Species recorded: Total: 144; woody: 47; ground: 110; Avg. spp./site: 43.0; std dev.: 14.3, 4 site(s)

Basal area: Avg./site: 12.9 m²/ha, range: 1.0 - 29 m²/ha, std. deviation: 11 m²/ha, 7 site(s)

Structural formation: Tall shrubland: 38%; low woodland: 38%; low open-forest: 13%; low closed-forest: 13%, 8 site(s)

Representative sites: 19515, 36125, 36887, 36888, 37004, 37005, 37006, 37028.

Stratum: E

Height avg. = 12.7m, range 6-25m, 3 sites
 Crown cover avg. = 1.0%, range 0.0-2.0%, 3 sites
 Stem density/ha avg. = 80, 1 site

Frequent species (cover, frequency): Araucaria cunninghamii (13%), Corymbia tessellaris (2, 13%), Eucalyptus drepanophylla (1, 13%)

Stratum: T1

Height avg. = 5.2m, range 3.2-8m, 5 sites
 Crown cover avg. = 49.2%, range 22.0-82.0%, 5 sites
 Stem density/ha avg. = 500, range 200-800, 2 sites

Dominant species (relative cover, frequency): Acacia leptostachya (67, 25%), Corymbia intermedia (30, 25%), Eucalyptus drepanophylla (19, 38%), Eucalyptus exserta (16, 50%), Corymbia dallachiana (15, 50%)

Frequent species (cover, frequency): Corymbia dallachiana (7, 50%), Eucalyptus exserta (7, 50%), Eucalyptus drepanophylla (7, 38%), Acacia leptostachya (45, 25%), Allocasuarina littoralis (4, 25%), Corymbia clarksoniana (5, 25%), Corymbia intermedia (9, 25%), Exocarpos cupressiformis (1, 13%), Lophostemon confertus (40, 13%), Melaleuca viridiflora var. viridiflora (2, 13%), Pouteria sericea (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, (only comprehensive sites used for ground stratum).

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

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

Stratum: T2

Height avg. = 3.3m, range 2.5-4m, 2 sites

Crown cover avg. = 20.0%, range 10.0-30.0%, 2 sites

Stem density/ha avg. = 520, 1 site

Dominant species (relative cover, frequency): Corymbia dallachiana (32, 25%), Eucalyptus drepanophylla (17, 25%)

Frequent species (cover, frequency): Corymbia dallachiana (7, 25%), Eucalyptus drepanophylla (5, 25%), Acacia leptostachya (5, 13%), Allocasuarina littoralis (2, 13%), Corymbia clarksoniana (3, 13%), Eucalyptus exserta (2, 13%), Lophostemon confertus (5, 13%)

Stratum: S1

Height avg. = 3.1m, range 0.7-6m, 7 sites

Crown cover avg. = 27.8%, range 5.0-80.0%, 8 sites

Stem density/ha avg. = 1980, range 1640-2280, 4 sites

Dominant species (relative cover, frequency): Acacia leptostachya (60, 63%), Melaleuca viridiflora var. viridiflora (45, 25%), Alyxia spicata (22, 25%), Allocasuarina littoralis (21, 38%), Pouteria sericea (20, 63%)

Frequent species (cover, frequency): Lophostemon confertus (4, 88%), Acacia leptostachya (26, 63%), Pouteria sericea (2, 63%), Alphonis excelsa (1, 50%), Dodonaea lanceolata var. subsessilifolia (50%), Eucalyptus exserta (1, 50%), Allocasuarina littoralis (3, 38%), Alyxia spicata (2, 25%), Canthium indet. (25%), Diospyros geminata (25%), Maytenus disperma (25%), Melaleuca viridiflora var. viridiflora (13, 25%), Acacia holosericea (13%), Acacia multisiliqua (13%), Acacia simsii (13%), Corymbia intermedia (4, 13%), Corymbia tessellaris (13%), Diospyros indet. (13%), Drypetes deplanchei (13%), Euroschinus falcatus (13%), Exocarpos latifolius (13%), Ficus opposita (13%), Glochidion lobocarpum (13%), Lantana camara (1, 13%), Lithomyrtus obtusa (2, 13%), Passiflora foetida* (13%), Phyllanthus novae-hollandiae (13%), Pittosporum indet. (13%), Planchonia careya (13%), Pogonolobus reticulatus (13%), Polyscias elegans (13%), Tabernaemontana orientalis (13%), Timonius timon var. timon (13%)*

Stratum: S2

Height avg. = 2.1m, range 0.8-4m, 4 sites

Crown cover avg. = 31.5%, range 10.0-50.0%, 4 sites

Stem density/ha avg. = 1733, range 1200-2240, 3 sites

Dominant species (relative cover, frequency): Acacia leptostachya (63, 25%), Lophostemon confertus (12, 25%), Alphonis excelsa (10, 25%), Dodonaea lanceolata var. subsessilifolia (10, 38%), Lantana camara (7, 38%)*

Frequent species (cover, frequency): Cleistochloa subjuncea (1, 13%), Dodonaea lanceolata var. subsessilifolia (2, 38%), Lantana camara (1, 38%), Acacia leptostachya (25, 25%), Alphonis excelsa (1, 25%), Alyxia spicata (1, 25%), Lithomyrtus obtusa (3, 25%), Lophostemon confertus (3, 25%), Pouteria sericea (1, 25%), Acacia holosericea (13%), Acacia multisiliqua (13%), Acacia simsii (13%), Allocasuarina littoralis (2, 13%), Canthium indet. (13%), Clerodendrum floribundum (13%), Corymbia dallachiana (1, 13%), Drypetes deplanchei (13%), Eustrephus latifolius (13%), Exocarpos latifolius (13%), Ficus opposita (13%), Jasminum didymum (13%), Lomandra confertifolia (2, 13%), Melaleuca viridiflora var. viridiflora (5, 13%), Pogonolobus reticulatus (13%), Pseudanthus ligulatus subsp. ligulatus (30, 13%), Sarcostemma viminalis (13%), Thymelaeaceae indet. (13%), Xanthorrhoea latifolia subsp. latifolia (10, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 0.4-0.6m, 3 sites

PFC avg. = 46.5%, range 22-60%, 4 sites

Dominant species (relative cover, frequency): *Xanthorrhoea latifolia* subsp. *latifolia* (56, 25%), *Poaceae* indet. (52, 25%), *Xanthorrhoea* indet. (42, 75%), *Eriachne pallescens* (20, 25%), *Aristida holathera* var. *holathera* (17, 25%)

Frequent species (cover, frequency): GRAMINOIDS: *Heteropogon contortus* (100%), *Themeda triandra* (2, 100%), *Abildgaardia ovata* (1, 50%), *Aristida spuria* (50%), *Cymbopogon bombycinus* (50%), *Eriachne pallescens* var. *pallescens* (8, 50%), *Fimbristylis cinnamometorum* (50%), *Gahnia aspera* (50%), *Melinis repens** (50%), *Mnesithea formosa* (2, 50%), *Paspalidium distans* (1, 50%), *Schoenus sparteus* (50%), *Scleria brownii* (50%), *Scleria rugosa* (50%), *Tripogon loliiformis* (50%), *Alloteropsis semialata* (25%), *Aristida holathera* var. *holathera* (4, 25%), *Capillipedium spicigerum* (25%), *Chrysopogon fallax* (3, 25%), *Cleistochloa subjuncea* (4, 25%), *Digitaria* indet. (25%), *Eragrostis brownii* (8, 25%), *Eragrostis spartinooides* (25%), *Eriachne pallescens* (10, 25%), *Eriachne rara* (25%), *Fimbristylis polytrichoides* (25%), *Heteropogon triticeus* (25%), *Imperata cylindrica* (25%), *Mnesithea rottboellioides* (25%), *Panicum effusum* (25%), *Panicum simile* (25%), *Paspalidium gracile* (25%), *Poaceae* indet. (13, 25%), *Rhynchospora heterochaeta* (25%), *Rhynchospora pterochaeta* (2, 25%), *Schizachyrium fragile* (25%), *Schizachyrium* indet. (25%), *Schizachyrium pachyarthron* (25%), *Schizachyrium pseudeulalia* (25%)

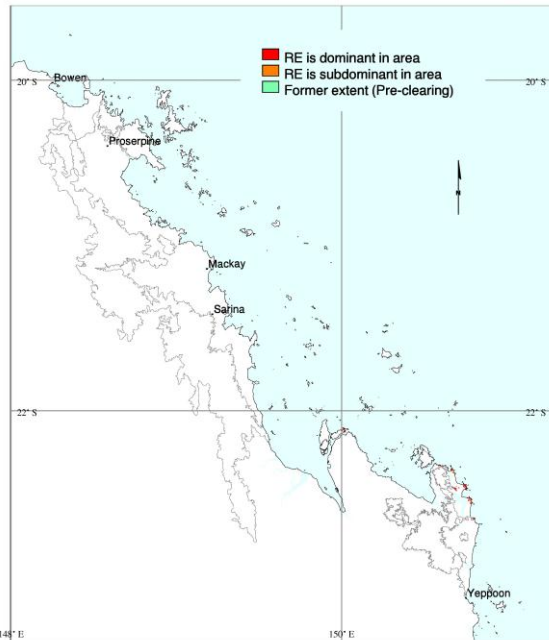
FORBS: *Dianella caerulea* (75%), *Phyllanthus virgatus* (75%), *Tacca leontopetaloides* (1, 75%), *Xanthorrhoea* indet. (24, 75%), *Cheilanthes brownii* (50%), *Evolvulus alsinoides* (50%), *Passiflora foetida** (50%), *Spermacoce* indet. (50%), *Xenostegia tridentata* (50%), *Ageratum conyzoides* subsp. *conyzoides** (25%), *Aristolochia pubera* (25%), *Aristolochia thozetii* (25%), *Breynia oblongifolia* (25%), *Buchnera gracilis* (25%), *Cassytha filiformis* (25%), *Centella asiatica* (25%), *Cheilanthes nudiuscula* (25%), *Cheilanthes sieberi* subsp. *sieberi* (25%), *Cheilanthes tenuifolia* (25%), *Clematicissus opaca* (25%), *Crotalaria montana* (25%), *Curculigo ensifolia* (25%), *Cyanthillium cinereum* (25%), *Desmodium pulleanii* (25%), *Epaltes australis* (25%), *Eustrephus latifolius* (1, 25%), *Galactia tenuiflora* (25%), *Glycine cyrtoloba* (25%), *Heliotropium pauciflorum* (25%), *Hybanthus enneaspermus* (25%), *Hybanthus stellarioides* (25%), *Iphigenia indica* (25%), *Jasminum didymum* (25%), *Leptosema oxylobioides* (25%), *Lindernia crustacea* (25%), *Lomandra confertifolia* (4, 25%), *Lomandra longifolia* (25%), *Lomandra multiflora* (25%), *Orchidaceae* indet. (25%), *Passiflora suberosa** (25%), *Phyllanthus fuernrohrii* (25%), *Phyllanthus novae-hollandiae* (25%), *Pseuderanthemum variabile* (25%), *Rostellularia adscendens* (25%), *Sauropus albiflorus* (25%), *Sida* indet. (25%), *Stachytarpheta jamaicensis** (25%), *Stylidium eriorhizum* (25%), *Tephrosia filipes* (25%), *Tephrosia purpurea* var. *sericea* (25%), *Xanthorrhoea latifolia* subsp. *latifolia* (35, 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, (only comprehensive sites used for ground stratum).

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

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

Allocasuarina littoralis and/or Lophostemon confertus and/or Grevillea banksii and/or Acacia spp. shrubland on Mesozoic to Proterozoic igneous rocks (subregions 4 and 5)



Joy Brushhe

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 837 822 98%

Species recorded: Total: 128; woody: 87; ground: 64; Avg. spp./site: 25.3; std dev.: 1.9, 3 site(s)

Basal area: Avg./site: 10.0 m²/ha, range: 10.0 - 10 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

Structural formation: Shrubland: 10%; open-heath: 5%; low woodland: 5%; unrecorded: 81%, 21 site(s)

Representative sites: 17068, 44367, 44369, 44371, 44372, 44388, 44389, 44390, 44391, 44392, 44393, 44394, 44427, 44432, 44436, 44437, 44457, 44619, 44800, 44801, 44866.

Stratum: E

Height avg. = 15.0m, 1 site

Frequent species (cover, frequency): Eucalyptus crebra (5%), Eucalyptus exserta (5%), Lophostemon suaveolens (5%)

Stratum: T1

Height avg. = 5.8m, range 4-10m, 7 sites

Crown cover avg. = 32.0%, 1 site

Frequent species (cover, frequency): Acacia disparrima subsp. disparrima (15, 19%), Acacia julifera subsp. curvinervia (14, 14%), Eucalyptus exserta (5, 14%), Allocasuarina littoralis (9, 10%), Banksia integrifolia subsp. compar (15, 10%), Eucalyptus crebra (6, 10%), Lophostemon confertus (28, 10%), Acacia flavescens (18, 5%), Alphitonia excelsa (10, 5%), Corymbia dallachiana (2, 5%), Cyclophyllum coprosmoides (1, 5%), Dodonaea lanceolata var. subsessilifolia (3, 5%), Ficus rubiginosa (20, 5%), Grevillea banksii (3, 5%), Lophostemon suaveolens (1, 5%), Maytenus disperma (4, 5%), Melaleuca viridiflora var. viridiflora (6, 5%), Petalostigma pubescens (3, 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, (only comprehensive sites used for ground stratum).

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

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

Stratum: T2

Height avg. = 4.0m, range 2-6m, 3 sites

Crown cover avg. = 22.0%, 1 site

Frequent species (cover, frequency): *Alectryon connatus* (2, 10%), *Alphitonia excelsa* (2, 10%), *Acacia disparrima* subsp. *disparrima* (10, 5%), *Acacia flavescens* (12, 5%), *Acacia julifera* subsp. *curvinervia* (5, 5%), *Acacia leiocalyx* (1, 5%), *Acronychia laevis* (1, 5%), *Brachychiton bidwillii* (5, 5%), *Cupaniopsis anacardioides* (3, 5%), *Diospyros geminata* (2, 5%), *Exocarpos latifolius* (1, 5%), *Geijera salicifolia* (1, 5%), *Lophostemon confertus* (10, 5%), *Olea paniculata* (1, 5%), *Pittosporum ferrugineum* (3, 5%), *Pouteria sericea* (5, 5%)

Stratum: T3

Height avg. = 3.0m, 1 site

Frequent species (cover, frequency): *Acacia disparrima* subsp. *disparrima* (2, 5%), *Acronychia laevis* (5, 5%), *Alphitonia excelsa* (2, 5%), *Passiflora suberosa** (10, 5%)

Stratum: S1

Height avg. = 1.3m, range 0.3-3m, 18 sites

Crown cover avg. = 6.0%, 1 site

Dominant species (relative cover, frequency): *Acacia disparrima* subsp. *disparrima* (39, 29%), *Acacia julifera* subsp. *curvinervia* (31, 38%), *Allocasuarina littoralis* (28, 52%), *Grevillea banksii* (17, 52%), *Eucalyptus exserta* (11, 29%)

Frequent species (cover, frequency): *Themeda triandra* (8, 19%), *Gahnia aspera* (2, 5%), *Lepidosperma laterale* (2, 5%), *Paspalidium* indet. (4, 5%), *Spinifex sericeus* (12, 5%), *Allocasuarina littoralis* (14, 52%), *Grevillea banksii* (8, 52%), *Acacia julifera* subsp. *curvinervia* (11, 38%), *Acacia disparrima* subsp. *disparrima* (25, 29%), *Eucalyptus exserta* (7, 29%), *Lophostemon confertus* (5, 29%), *Banksia integrifolia* subsp. *compar* (9, 14%), *Dodonaea lanceolata* var. *subsessilifolia* (6, 14%), *Alyxia ruscifolia* (2, 10%), *Dianella caerulea* (2, 10%), *Drypetes deplanchei* (1, 10%), *Leptospermum neglectum* (5, 10%), *Leptospermum polygalifolium* (5, 10%), *Lithomyrtus obtusa* (5, 10%), *Melaleuca quinquenervia* (9, 10%), *Melaleuca viridiflora* var. *viridiflora* (2, 10%), *Patersonia glabrata* (2, 10%), *Petalostigma pubescens* (11, 10%), *Phebalium woombye* (10, 10%), *Pimelea linifolia* (5, 10%), *Pouteria sericea* (10, 10%), *Pseudanthus orientalis* (2, 10%), *Xanthorrhoea* indet. (5, 10%), *Acronychia laevis* (5%), *Banksia robur* (10, 5%), *Capparis lucida* (1, 5%), *Capparis sepiaria* (1, 5%), *Clerodendrum floribundum* (2, 5%), *Corymbia* indet. (1, 5%), *Corymbia intermedia* (2, 5%), *Cupaniopsis anacardioides* (2, 5%), *Cynanchum bowmanii* (5%), *Dendrobium discolor* (2, 5%), *Exocarpos latifolius* (4, 5%), *Hibbertia* indet. (3, 5%), *Hibbertia stricta* (2, 5%), *Hovea* indet. (3, 5%), *Jasminum didymum* (1, 5%), *Lantana camara** (2, 5%), *Leptospermum* indet. (5%), *Lomandra confertifolia* (2, 5%), *Lophostemon suaveolens* (8, 5%), *Melaleuca* indet. (5, 5%), *Opuntia* indet. (2, 5%), *Pandanus* indet. (2, 5%), *Pogonolobus reticulatus* (5%), *Pomaderris* indet. (20, 5%), *Pultenaea spinosa* (5%), *Syzygium* indet. (2, 5%), *Trophis scandens* subsp. *scandens* (2, 5%), *Xanthorrhoea latifolia* subsp. *latifolia* (16, 5%), *Xylosma ovatum* (5%)

Stratum: S2

Height avg. = 1.1m, range 0.75-1.5m, 2 sites

Crown cover avg. = 3.0%, 1 site

Frequent species (cover, frequency): *Dendrobium discolor* (3, 10%), *Grevillea banksii* (10, 10%), *Hovea clavata* (17, 10%), *Pouteria sericea* (3, 10%), *Acacia* indet. (5, 5%), *Acronychia laevis* (5, 5%), *Acrotriche aggregata* (4, 5%), *Alphitonia excelsa* (20, 5%), *Breynia oblongifolia* (5%), *Comesperma oblongatum* (4, 5%), *Cyclophyllum coprosmoides* (5, 5%), *Dodonaea viscosa* (15, 5%), *Ficus opposita* (5, 5%), *Hibbertia linearis* (4, 5%), *Jacksonia scoparia* (5, 5%), *Jasminum simplicifolium* subsp. *australiense* (1, 5%), *Pimelea linifolia* (15, 5%), *Pogonolobus reticulatus* (1, 5%), *Pomaderris canescens* (20, 5%), *Psychdrax odorata* (5%), *Sarcostemma viminale* subsp. *brunonianum* (5%), *Secamone elliptica* (5%), *Stylosanthes scabra** (1, 5%), *Xanthorrhoea latifolia* subsp. *latifolia* (30, 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 0.3-0.4m, 2 sites

Dominant species (relative cover, frequency): Lomandra confertifolia (28, 33%), Themeda triandra (25, 100%), Xanthorrhoea latifolia subsp. latifolia (19, 67%), Panicum simile (18, 33%), Grevillea banksii (18, 33%)

Frequent species (cover, frequency): GRAMINOIDS: Themeda triandra (22, 100%), Cymbopogon bombycinus (9, 67%), Lepidosperma laterale (3, 67%), Entolasia stricta (2, 33%), Eragrostis elongata (33%), Eragrostis indet. (9, 33%), Gahnia aspera (33%), Heteropogon contortus (33%), Panicum simile (18, 33%)

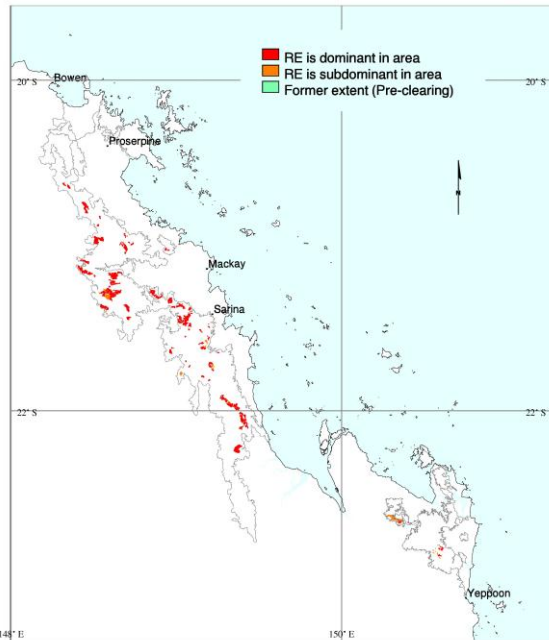
FORBS: Dianella indet. (3, 67%), Xanthorrhoea latifolia subsp. latifolia (14, 67%), Actites megalocarpus (5, 33%), Boronia occidentalis (33%), Caladenia catenata (9, 33%), Cheilanthes tenuifolia (9, 33%), Dianella caerulea (5, 33%), Dodonaea lanceolata var. subsessilifolia (2, 33%), Emilia sonchifolia (5, 33%), Eustrephus latifolius (33%), Grevillea banksii (18, 33%), Hibbertia vestita (2, 33%), Hovea clavata (2, 33%), Hoya australis (33%), Indigofera pratensis (5, 33%), Isotropis filicaulis (5, 33%), Lithomyrtus obtusa (33%), Lomandra confertifolia (20, 33%), Mitrasacme alsinoides (5, 33%), Patersonia sericea (33%), Phyllanthus virgatus (2, 33%), Pimelea linifolia (33%), Pomax umbellata (2, 33%), Rostellularia adscendens (5, 33%), Tetrastigma nitens (5, 33%), Tricoryne elatior (2, 33%), Velleia spathulata (5, 33%), Xerochrysum bracteatum (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, (only comprehensive sites used for ground stratum).

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

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

Eucalyptus resinifera and/or E. portuensis and/or E. acmenoides open-forest on high, moist upper slopes of ranges on Mesozoic to Proterozoic igneous rocks



Pre-clearing area (ha), remnant area (ha) and per cent remaining: 25,288 24,850 98%

Species recorded: Total: 185; woody: 54; ground: 165; Avg. spp./site: 56.7; std dev.: 4.0, 3 site(s)

Basal area: Avg./site: 14.3 m²/ha, range: 6.0 - 21 m²/ha, std. deviation: 6 m²/ha, 4 site(s)

Structural formation: Open-forest: 27%; unrecorded: 73%, 15 site(s)

Representative sites: 19438, 19480, 19483, 36217, 44149, 44155, 44163, 44164, 44573, 44574, 44618, 44707, 44708, 44709, 44710.

Stratum: T1

Height avg. = 12.3m, range 4-27m, 14 sites
 Crown cover avg. = 90.5%, range 62.0-100.0%, 4 sites
 Stem density/ha avg. = 356, range 200-467, 3 sites

Dominant species (relative cover, frequency): Eucalyptus resinifera (42, 87%), Banksia integrifolia subsp. compar (31, 27%), Eucalyptus portuensis (23, 60%), Corymbia intermedia (17, 33%), Eucalyptus exserta (14, 27%)

Frequent species (cover, frequency): Eucalyptus resinifera (16, 87%), Eucalyptus portuensis (18, 60%), Corymbia trachyphloia (5, 40%), Corymbia intermedia (16, 33%), Banksia integrifolia subsp. compar (8, 27%), Eucalyptus exserta (5, 27%), Acacia aulacocarpa (3, 13%), Eucalyptus acmenoides (58, 13%), Grevillea banksii (10, 13%), Allocasuarina littoralis (2, 7%), Allocasuarina torulosa (5, 7%), Eucalyptus suffulgens (19, 7%), Lophostemon confertus (2, 7%), Syncarpia glomulifera subsp. glomulifera (7, 7%), Syzygium indet. (7%)

Stratum: T2

Height avg. = 9.8m, range 3-20m, 9 sites
 Crown cover avg. = 22.3%, range 5.0-38.0%, 4 sites
 Stem density/ha avg. = 542, range 267-920, 3 sites

Frequent species (cover, frequency): Allocasuarina torulosa (1, 20%), Corymbia intermedia (12, 20%), Acacia aulacocarpa (8, 13%), Allocasuarina littoralis (18, 13%), Corymbia trachyphloia (5, 13%), Eucalyptus portuensis (3, 13%), Eucalyptus resinifera (15, 13%), Acacia flavescens (5, 7%), Banksia integrifolia subsp. compar (20, 7%), Eucalyptus acmenoides (7%), Eucalyptus indet. (10, 7%), Lophostemon confertus (12, 7%), Syncarpia glomulifera (2, 7%), Syncarpia glomulifera subsp. 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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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. = 5.0m, range 2-8m, 2 sites

Crown cover avg. = 17.0%, range 2.0-32.0%, 2 sites

Stem density/ha avg. = 8707, range 280-17133, 2 sites

Frequent species (cover, frequency): *Acacia melanoxylon* (13%), *Corymbia intermedia* (2, 13%), *Eucalyptus portuensis* (13%), *Acacia disparrima* subsp. *disparrima* (11, 7%), *Allocasuarina littoralis* (14, 7%), *Breynia oblongifolia* (7%), *Cyanthillium cinereum* (7%), *Eucalyptus resinifera* (7%), *Lantana camara** (7%), *Lophostemon confertus* (3, 7%), *Xanthorrhoea indet.* (4, 7%)

Stratum: S1

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

Crown cover avg. = 15.3%, range 7.0-21.0%, 3 sites

Stem density/ha avg. = 2880, range 2560-3200, 2 sites

Dominant species (relative cover, frequency): *Grevillea banksii* (46, 27%)

Frequent species (cover, frequency): *Grevillea banksii* (7, 27%), *Acacia aulacocarpa* (5, 20%), *Cassinia subtropica* (2, 20%), *Eucalyptus resinifera* (1, 20%), *Leptospermum polygalifolium* (5, 20%), *Lophostemon confertus* (5, 20%), *Allocasuarina littoralis* (2, 13%), *Allocasuarina torulosa* (10, 13%), *Banksia integrifolia* subsp. *compar* (9, 13%), *Bursaria tenuifolia* (2, 13%), *Corymbia intermedia* (13%), *Dodonaea lanceolata* var. *subsessilifolia* (3, 13%), *Eucalyptus portuensis* (13%), *Myrsine variabilis* (1, 13%), *Xanthorrhoea latifolia* subsp. *latifolia* (8, 13%), *Acacia falcata* (8, 7%), *Acacia flavescens* (2, 7%), *Acacia melanoxylon* (7%), *Alphitonia oblata* (2, 7%), *Banksia robur* (20, 7%), *Banksia spinulosa* (5, 7%), *Banksia spinulosa* var. *spinulosa* (4, 7%), *Breynia oblongifolia* (2, 7%), *Bursaria spinosa* subsp. *spinosa* (2, 7%), *Coelospermum paniculatum* (7%), *Corymbia trachyphloia* (2, 7%), *Cynanchum carnosum* (7%), *Duboisia myoporoides* (7%), *Eucalyptus acmenoides* (7%), *Eucalyptus exserta* (7%), *Euroschinus falcatus* (7%), *Glochidion apodogynum* (2, 7%), *Glochidion ferdinandi* (2, 7%), *Grevillea venusta* (5, 7%), *Guioa indet.* (7%), *Lantana camara** (2, 7%), *Leptospermum neglectum* (1, 7%), *Leucopogon juniperinus* (7%), *Polyscias elegans* (7%), *Psychotria loniceroides* (7%), *Sigesbeckia orientalis* (7%), *Solanum indet.* (1, 7%), *Triumfetta pilosa** (1, 7%), *Triumfetta rhochoidea** (7%), *Xanthorrhoea indet.* (10, 7%)

Stratum: S2

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

Crown cover avg. = 16.0%, 1 site

Frequent species (cover, frequency): *Xanthorrhoea latifolia* subsp. *latifolia* (13, 13%), *Acrotriche aggregata* (1, 7%), *Hibbertia cistoidea* (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, (only comprehensive sites used for ground stratum).

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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, 3 sites

PFC avg. = 44.0%, range 26-62%, 3 sites

Dominant species (relative cover, frequency): *Xanthorrhoea indet.* (48, 33%), *Smilax australis* (36, 33%), *Ottochloa nodosa* (23, 67%), *Mnesithea rottboellioides* (8, 33%), *Imperata cylindrica* (8, 67%)

Frequent species (cover, frequency): GRAMINOIDS: *Oplismenus burmannii* (3, 100%), *Gahnia aspera* (67%), *Imperata cylindrica* (3, 67%), *Ottochloa nodosa* (14, 67%), *Panicum simile* (1, 67%), *Themeda triandra* (1, 67%), *Cyperus indet.* (33%), *Cyperus laevis* (33%), *Cyperus scaber* (33%), *Digitaria indet.* (2, 33%), *Digitaria violascens** (33%), *Lepidosperma laterale* (1, 33%), *Lepidosperma laterale var. laterale* (1, 33%), *Melinis repens** (33%), *Mnesithea rottboellioides* (4, 33%), *Oplismenus imbecillis* (33%), *Paspalidium distans* (33%), *Scleria indet.* (33%)

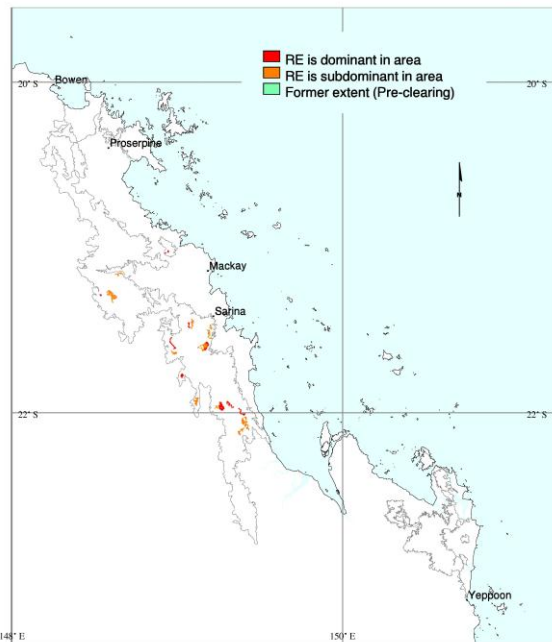
FORBS: *Brunoniella australis* (100%), *Corymbia intermedia* (1, 100%), *Desmodium gunnii* (1, 100%), *Desmodium rhytidophyllum* (1, 100%), *Dianella caerulea* (1, 100%), *Eucalyptus resinifera* (100%), *Eustrephus latifolius* (100%), *Glycine cyrtoloba* (1, 100%), *Hardenbergia violacea* (1, 100%), *Hybanthus stellarioides* (100%), *Lomandra longifolia* (1, 100%), *Acacia melanoxylon* (67%), *Asteraceae indet.* (67%), *Breynia oblongifolia* (67%), *Caladenia carnea* (67%), *Cassinia subtropica* (1, 67%), *Cassytha filiformis* (67%), *Glochidion ferdinandi* (1, 67%), *Glycine microphylla* (1, 67%), *Hibbertia scandens* (67%), *Lomandra multiflora* (67%), *Lophostemon confertus* (67%), *Psychotria sp.* (*Shute Harbour L.J.Webb+ 7916*) (67%), *Ranunculus lappaceus* (67%), *Rostellularia indet.* (67%), *Urena lobata** (67%), *Acacia disparrima subsp. disparrima* (1, 33%), *Acmella grandiflora var. brachyglossa* (33%), *Acronychia laevis* (33%), *Acrotiche aggregata* (33%), *Adiantum hispidulum* (33%), *Adiantum hispidulum var. hispidulum* (1, 33%), *Ajuga australis* (1, 33%), *Allocasuarina torulosa* (33%), *Alphitonia oblata* (33%), *Asclepias curassavica** (33%), *Austrostenisia blackii* (33%), *Bidens pilosa** (33%), *Bursaria tenuifolia* (1, 33%), *Celastrus subspicata* (1, 33%), *Cirsium vulgare** (33%), *Clematis indet.* (33%), *Conyza sumatrensis** (33%), *Crassocephalum crepidioides** (33%), *Crotalaria brevis* (33%), *Crotalaria montana* (33%), *Cryptocarya triplinervis* (33%), *Cyanthillium cinereum* (33%), *Desmodium heterocarpon var. heterocarpon* (2, 33%), *Dianella rara* (33%), *Dioscorea transversa* (33%), *Doodia media* (33%), *Duboisia myoporoides* (33%), *Emilia sonchifolia** (33%), *Eucalyptus portuensis* (33%), *Euchiton indet.* (33%), *Euroschinus falcatus* (33%), *Galactia tenuiflora* (33%), *Geranium homeanum* (33%), *Glochidion apodogynum* (33%), *Glycine clandestina* (33%), *Guioa indet.* (33%), *Hydrocotyle acutiloba* (2, 33%), *Jagera pseudorhus var. pseudorhus* (33%), *Lantana camara** (1, 33%), *Leucopogon juniperinus* (33%), *Lichen indet.* (33%), *Lobelia gibbosa* (33%), *Lomandra filiformis* (1, 33%), *Lomandra filiformis subsp. filiformis* (33%), *Myrsine variabilis* (33%), *Neolitsea brassii* (33%), *Opercularia hispida* (33%), *Ophioglossum reticulatum* (33%), *Oxalis indet.* (1, 33%), *Passiflora suberosa** (33%), *Passiflora subpeltata** (33%), *Phyllanthus virgatus* (33%), *Plantago debilis* (33%), *Polygala indet.* (33%), *Polyscias elegans* (33%), *Poranthera microphylla* (33%), *Scolopia braunii* (33%), *Senecio prenanthoides* (33%), *Sigesbeckia orientalis* (33%), *Smilax australis* (17, 33%), *Solanum indet.* (33%), *Spermacoce multicaulis* (33%), *Triumfetta pilosa** (2, 33%), *Triumfetta rhomboidea** (33%), *Veronica plebeia* (2, 33%), *Viola hederacea* (4, 33%), *Wahlenbergia gracilis* (33%), *Xanthorrhoea indet.* (14, 33%), *Xanthorrhoea latifolia subsp. 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, (only comprehensive sites used for ground stratum).

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

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

Allocasuarina littoralis and/or A. torulosa low closed-forest on exposed ridges and crests at high altitude on Mesozoic to Proterozoic igneous rocks



Rosemary Lovatt

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 3,740 3,679 98%

Species recorded: Total: 14; woody: 6; ground: 10; Avg. spp./site: 14.0; std dev.: 0.0, 1 site(s)

Basal area: Avg./site: 14.5 m²/ha, range: 14.5 - 15 m²/ha, std. deviation: 0 m²/ha, 1 site(s)

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

Representative sites: 36051.

Stratum: T1

Height avg. = 9.0m, 1 site

Crown cover avg. = 100.0%, 1 site

Stem density/ha avg. = 800, 1 site

Dominant species (relative cover, frequency): Allocasuarina littoralis (81, 100%), Corymbia intermedia (16, 100%), Banksia integrifolia subsp. compar (4, 100%)

Frequent species (cover, frequency): Allocasuarina littoralis (81, 100%), Banksia integrifolia subsp. compar (4, 100%), Corymbia intermedia (16, 100%)

Stratum: S1

Height avg. = 2.0m, 1 site

Crown cover avg. = 49.0%, 1 site

Stem density/ha avg. = 2733, 1 site

Dominant species (relative cover, frequency): Xanthorrhoea indet. (99, 100%)

Frequent species (cover, frequency): Acacia spirorbis subsp. solandri (100%), Banksia integrifolia subsp. compar (100%), Duboisia myoporoides (100%), Xanthorrhoea indet. (49, 100%)

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

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

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

Stratum: G

Height avg. = 0.5m, 1 site

PFC avg. = 31.0%, 1 site

Dominant species (relative cover, frequency): Xanthorrhoea indet. (63, 100%), Lepidosperma laterale var. laterale (21, 100%), Oplismenus indet. (7, 100%), Cyperaceae indet. (6, 100%)

Frequent species (cover, frequency): GRAMINOIDS: Cyperaceae indet. (2, 100%), Gahnia aspera (100%), Lepidosperma laterale var. laterale (7, 100%), Oplismenus indet. (2, 100%)

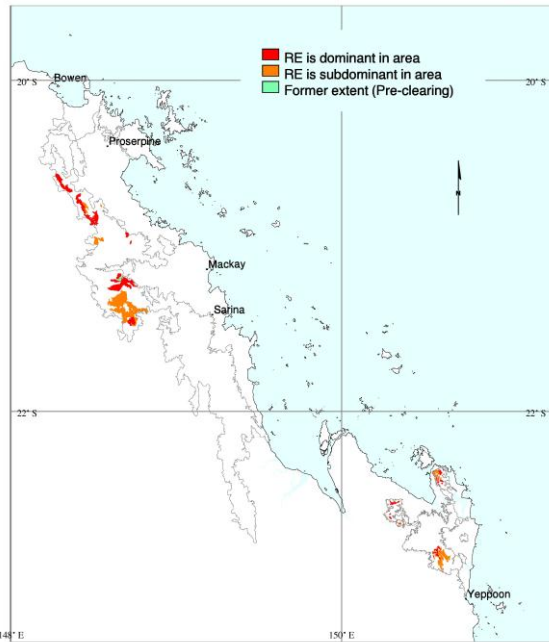
FORBS: Acronychia laevis (100%), Angiosperm indet. (100%), Duboisia myoporoides (100%), Glochidion indet. (100%), Glochidion lobocarpum (100%), Xanthorrhoea indet. (20, 100%)

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

Frequent species: Cover (mean of all values > zero) and frequency (percent of total sites) of all species occurring in more than 5% of sites ordered by decreasing frequency. Ground layer species % (of comprehensive sites) 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 +/- E. portuensis +/- E. exserta open-forest to woodland with areas of Allocasuarina spp. +/- Banksia integrifolia open-forest on high ranges, on Mesozoic to Proterozoic igneous rocks



Jeanette Kemp

Pre-clearing area (ha), remnant area (ha) and per cent remaining: 29,116 27,971 96%

Species recorded: Total: 297; woody: 110; ground: 218; Avg. spp./site: 47.5; std dev.: 10.5, 6 site(s)

Basal area: Avg./site: 16.7 m²/ha, range: 6.8 - 39 m²/ha, std. deviation: 10 m²/ha, 9 site(s)

Structural formation: Open-forest: 23%; woodland: 4%; open-woodland: 4%; closed-forest: 4%; unrecorded: 65%, 26 site(s)

Representative sites: 19412, 19440, 19441, 34524, 36084, 36285, 36286, 36584, 36604, 44150, 44151, 44153, 44154, 44156, 44162, 44165, 44167, 44169, 44504, 44505, 44506, 44514, 44526, 44575, 44576, 44617.

Stratum: E

Frequent species (cover, frequency): Corymbia intermedia (2, 4%)

Stratum: T1

Height avg. = 13.9m, range 3-34m, 24 sites

Crown cover avg. = 71.7%, range 39.0-100.0%, 9 sites

Stem density/ha avg. = 281, range 140-400, 6 sites

Dominant species (relative cover, frequency): Banksia integrifolia subsp. compar (46, 46%), Corymbia intermedia (44, 77%), Allocasuarina littoralis (32, 27%), Eucalyptus portuensis (31, 35%), Lophostemon suaveolens (11, 23%)

Frequent species (cover, frequency): Corymbia intermedia (23, 77%), Banksia integrifolia subsp. compar (12, 46%), Eucalyptus portuensis (19, 35%), Allocasuarina littoralis (12, 27%), Lophostemon suaveolens (7, 23%), Allocasuarina torulosa (23, 19%), Eucalyptus exserta (3, 12%), Eucalyptus tereticornis (2, 12%), Eucalyptus drepanophylla (19, 8%), Lophostemon confertus (3, 8%), Acacia aulacocarpa (1, 4%), Commersonia bartramia (4%), Corymbia trachyphloia (15, 4%), Eucalyptus platyphylla (4%), Syncarpia glomulifera (5, 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, (only comprehensive sites used for ground stratum).

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

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

Stratum: T2

Height avg. = 8.6m, range 4-14m, 14 sites

Crown cover avg. = 9.2%, range 0.0-21.0%, 9 sites

Stem density/ha avg. = 268, range 60-720, 6 sites

Dominant species (relative cover, frequency): *Corymbia intermedia* (41, 23%), *Banksia integrifolia subsp. compar* (34, 23%)

Frequent species (cover, frequency): *Banksia integrifolia subsp. compar* (7, 23%), *Corymbia intermedia* (6, 23%), *Eucalyptus portuensis* (2, 19%), *Allocasuarina torulosa* (10, 15%), *Lophostemon suaveolens* (1, 15%), *Allocasuarina littoralis* (4, 12%), *Eucalyptus tereticornis* (3, 12%), *Erythrina vespertilio* (1, 8%), *Lophostemon confertus* (5, 8%), *Acacia aulacocarpa* (2, 4%), *Alphitonia excelsa* (2, 4%), *Alphitonia oblata* (4%), *Claoxylon tenerifolium* (2, 4%), *Commersonia bartramia* (2, 4%), *Corymbia trachyphloia* (4%), *Cryptocarya macdonaldii* (4%), *Cyathea australis* (2, 4%), *Cymbidium madidum* (2, 4%), *Drynaria rigidula* (2, 4%), *Elaeocarpus eumundi* (2, 4%), *Eucalyptus drepanophylla* (3, 4%), *Eucalyptus indet.* (5, 4%), *Ficus coronata* (2, 4%), *Glochidion ferdinandi* (5, 4%), *Lantana camara** (2, 4%), *Litsea leefeana* (2, 4%), *Macaranga involucreta var. mallotoides* (4%), *Parsonia leichhardtii* (2, 4%), *Pipturus argenteus* (2, 4%), *Pittosporum ferrugineum* (5, 4%), *Platycerium superbum* (2, 4%), *Symplocos stawellii* (4%)

Stratum: T3

Height avg. = 4.0m, range 2.2-6m, 5 sites

Crown cover avg. = 9.3%, range 3.0-18.0%, 4 sites

Stem density/ha avg. = 1575, range 120-3360, 4 sites

Frequent species (cover, frequency): *Allocasuarina littoralis* (8, 12%), *Corymbia intermedia* (1, 12%), *Eucalyptus portuensis* (2, 8%), *Lophostemon confertus* (3, 8%), *Xanthorrhoea latifolia subsp. latifolia* (1, 8%), *Acacia disparrima subsp. disparrima* (4%), *Acacia maidenii* (5, 4%), *Allocasuarina torulosa* (10, 4%), *Banksia integrifolia subsp. compar* (4%), *Breynia oblongifolia* (4%), *Cycas media subsp. media* (4%), *Lophostemon suaveolens* (4%)

Stratum: S1

Height avg. = 1.8m, range 0.7-4m, 21 sites

Crown cover avg. = 38.2%, range 5.0-85.0%, 6 sites

Stem density/ha avg. = 3668, range 560-5000, 4 sites

Dominant species (relative cover, frequency): *Banksia integrifolia subsp. compar* (41, 35%), *Allocasuarina littoralis* (28, 27%), *Grevillea banksii* (14, 23%), *Lantana camara** (2, 27%)

Frequent species (cover, frequency): *Banksia integrifolia subsp. compar* (9, 35%), *Allocasuarina littoralis* (10, 27%), *Lantana camara** (1, 27%), *Grevillea banksii* (6, 23%), *Corymbia intermedia* (19%), *Xanthorrhoea indet.* (26, 19%), *Xanthorrhoea latifolia subsp. latifolia* (25, 19%), *Acacia aulacocarpa* (5, 12%), *Allocasuarina torulosa* (6, 12%), *Lophostemon confertus* (2, 12%), *Pomaderris indet.* (8, 12%), *Rubus moluccanus* (4, 12%), *Acacia maidenii* (4, 8%), *Acrotriche aggregata* (1, 8%), *Alphitonia excelsa* (8%), *Banksia spinulosa* (10, 8%), *Breynia oblongifolia* (1, 8%), *Cissus hypoglauca* (6, 8%), *Clematis indet.* (1, 8%), *Comesperma oblongatum* (4, 8%), *Cyathea australis* (2, 8%), *Eucalyptus portuensis* (1, 8%), *Ficus hispida* (8%), *Glochidion apodogynum* (8%), *Glochidion ferdinandi* (5, 8%), *Jagera pseudorhus var. pseudorhus* (8%), *Macaranga involucreta var. mallotoides* (8%), *Passiflora aurantia* (3, 8%), *Passiflora suberosa** (6, 8%), *Polyscias elegans* (1, 8%), *Psychotria daphnoides* (1, 8%), *Rhodomyrtus trineura* (13, 8%), *Rubus probus* (6, 8%), *Smilax australis* (2, 8%), *Smilax glycyphylla* (2, 8%), *Timonius timon var. timon* (1, 8%), *Acacia disparrima subsp. disparrima* (12, 4%), *Acacia melanoxylon* (4%), *Alphitonia indet.* (4%), *Alphitonia oblata* (1, 4%), *Archontophoenix cunninghamiana* (2, 4%), *Asplenium australasicum* (2, 4%), *Austrosteenisia blackii* (4%), *Callicarpa pedunculata* (4%), *Canarium australianum* (4%), *Cassinia indet.* (2, 4%), *Cassinia subtropica* (4, 4%), *Cinnamomum oliveri* (4%), *Cissus sterculifolia* (2, 4%), *Cryptocarya onoprienkoana* (2, 4%), *Cryptocarya triplinervis* (4%), *Cycas media* (5, 4%), *Cycas media subsp. media* (5, 4%), *Cymbidium madidum* (2, 4%), *Davallia indet.* (4%), *Dodonaea triquetra* (10, 4%), *Eclipta prostrata* (2, 4%), *Endiandra discolor* (2, 4%), *Eucalyptus drepanophylla* (4%), *Ficus opposita* (4%), *Flindersia schottiana* (4%), *Geniostoma rupestre* (2, 4%), *Glochidion sumatranum* (1, 4%), *Hibbertia scandens* (1, 4%), *Hibiscus divaricatus* (4%), *Homalanthus nutans* (2, 4%), *Jacksonia scoparia* (2, 4%), *Leptospermum polygalifolium* (10, 4%), *Litsea leefeana* (2, 4%), *Lophostemon suaveolens* (4%), *Macaranga tanarius* (4%), *Mallotus philippensis* (4%), *Melicope elleryana* (4%), *Melodinus australis* (4%), *Myrsine porosa* (4, 4%), *Neolitsea dealbata* (2, 4%), *Olearia indet.* (4, 4%), *Olearia nernstii* (2, 4%), *Parsonia leichhardtii* (4%), *Persoonia indet.* (4%), *Piper hederaceum* (2, 4%), *Piper indet.* (4%), *Pittosporum ferrugineum* (2, 4%), *Platycerium bifurcatum* (4, 4%), *Platycerium superbum* (2, 4%), *Polyscias australiana* (2, 4%), *Psychotria indet.* (2, 4%), *Psyrdrax odorata* (4%), *Pteridium esculentum* (2, 4%), *Rhodomyrtus trineura subsp. trineura* (5, 4%), *Syncarpia glomulifera* (2, 4%), *Tasmania insipida* (4, 4%), *Trema tomentosa var. aspera* (4%), *Triumfetta rhomboidea** (2, 4%), *Urena lobata** (4%), *Zieria smithii* (2, 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, (only comprehensive sites used for ground stratum).

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

Stratum: S2

Height avg. = 1.0m, 1 site

Frequent species (cover, frequency): *Banksia spinulosa* (2, 4%), *Comesperma oblongatum* (2, 4%), *Syncarpia glomulifera* (5, 4%)

Stratum: G

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

PFC avg. = 48.8%, range 23-78%, 6 sites

Dominant species (relative cover, frequency): *Xanthorrhoea latifolia* subsp. *latifolia* (27, 67%), *Themeda triandra* (19, 83%), *Heteropogon contortus* (13, 33%), *Sorghum nitidum* forma *aristatum* (11, 83%), *Imperata cylindrica* (8, 100%)

Frequent species (cover, frequency): GRAMINOIDS: *Imperata cylindrica* (3, 100%), *Mnesithea rottboellioides* (2, 100%), *Sorghum nitidum* forma *aristatum* (8, 83%), *Themeda triandra* (11, 83%), *Oplismenus burmannii* (67%), *Paspalidium distans* (2, 67%), *Cyperus laevis* (33%), *Digitaria violascens** (33%), *Heteropogon contortus* (9, 33%), *Melinis repens** (1, 33%), *Panicum effusum* (1, 33%), *Abildgaardia ovata* (17%), *Alloteropsis semialata* (17%), *Capillipedium indet.* (1, 17%), *Capillipedium parviflorum* (17%), *Capillipedium spicigerum* (17%), *Carex breviculmis* (1, 17%), *Chionachne cyathopoda* (17%), *Cyperus indet.* (17%), *Dichanthium annulatum** (17%), *Digitaria indet.* (17%), *Digitaria parviflora* (17%), *Digitaria ramularis* (2, 17%), *Eragrostis brownii* (2, 17%), *Fimbristylis acicularis* (17%), *Fimbristylis cinnamometorum* (17%), *Fimbristylis dichotoma* (17%), *Fimbristylis indet.* (4, 17%), *Gahnia aspera* (17%), *Heteropogon triticeus* (17%), *Hyparrhenia filipendula* (17%), *Melinis minutiflora** (2, 17%), *Panicum mitchellii* (17%), *Panicum simile* (4, 17%), *Paspalum paniculatum** (1, 17%), *Paspalum scrobiculatum* (17%), *Schizachyrium pseudeulalia* (4, 17%), *Scleria brownii* (17%), *Scleria indet.* (17%), *Scleria levis* (17%), *Scleria mackaviensis* (1, 17%), *Scleria tricuspida* (17%), *Themeda quadrivalvis** (17%)

FORBS: *Flemingia parviflora* (1, 100%), *Glycine cyrtoloba* (100%), *Desmodium rhytidophyllum* (1, 83%), *Brunoniella australis* (67%), *Corymbia intermedia* (67%), *Crotalaria brevis* (67%), *Desmodium gunnii* (67%), *Dianella caerulea* (67%), *Eustrephus latifolius* (67%), *Flemingia lineata* (67%), *Lomandra longifolia* (67%), *Xanthorrhoea latifolia* subsp. *latifolia* (12, 67%), *Aristolochia thozetii* (50%), *Emilia sonchifolia** (50%), *Lomandra filiformis* subsp. *filiformis* (50%), *Pteridium esculentum* (1, 50%), *Pycnospora lutescens* (3, 50%), *Triumfetta rhomboidea** (1, 50%), *Ageratum conyzoides* (33%), *Anisomeles malabarica* (33%), *Asteraceae indet.* (33%), *Breynia oblongifolia* (33%), *Cheilanthes tenuifolia* (33%), *Crotalaria montana* (33%), *Curculigo ensifolia* (33%), *Cyanthillium cinereum* (33%), *Cycas media* subsp. *media* (1, 33%), *Desmodium varians* (33%), *Eucalyptus portuensis* (33%), *Galactia tenuiflora* (33%), *Glycine indet.* (33%), *Glycine tomentella* (33%), *Hybanthus stellarioides* (33%), *Poranthera microphylla* (33%), *Rosellularia indet.* (33%), *Acacia disparrima* subsp. *disparrima* (17%), *Acmella grandiflora* var. *brachyglossa* (17%), *Ajuga australis* (17%), *Alysicarpus indet.* (1, 17%), *Angiosperm indet.* (17%), *Aristolochia pubera* (17%), *Austrosteenisia blackii* (17%), *Blumea saxatilis* (17%), *Brunoniella acaulis* (17%), *Callicarpa pedunculata* (17%), *Chamaecrista absus* var. *absus* (17%), *Chamaecrista nomame* var. *nomame* (17%), *Commelina indet.* (17%), *Commelina lanceolata* (17%), *Conyza sumatrensis** (17%), *Crassocephalum crepidioides** (17%), *Crotalaria medicaginea* (17%), *Crotalaria montana* var. *angustifolia* (17%), *Desmodium gangeticum* (17%), *Desmodium triflorum** (17%), *Indigofera hirsuta* (17%), *Lantana camara** (17%), *Lomandra confertifolia* (17%), *Lomandra indet.* (17%), *Lomandra multiflora* (17%), *Lophostemon suaveolens* (17%), *Mimosa pudica** (2, 17%), *Mimosa pudica* var. *tetrandra** (17%), *Mitracarpus hirtus** (3, 17%), *Murdannia graminea* (17%), *Passiflora suberosa** (17%), *Phyllanthus virgatus* (17%), *Piper indet.* (17%), *Pterocaulon sphacelatum* (17%), *Ranunculus lappaceus* (17%), *Rhynchosia acuminatissima* (17%), *Rhynchosia minima* (17%), *Richardia brasiliensis** (17%), *Sida rhombifolia** (17%), *Smilax australis* (17%), *Stachytarpheta jamaicensis** (17%), *Synedrella nodiflora** (17%), *Thecanthes cornucopiae* (1, 17%), *Trema tomentosa* var. *aspera* (17%), *Uraria lagopodioides* (17%), *Urena lobata** (17%), *Vigna radiata* var. *sublobata* (17%), *Vigna vexillata* var. *angustifolia* (17%), *Wahlenbergia gracilis* (17%), *Waltheria indica* (1, 17%), *Xanthorrhoea indet.* (38, 17%)

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