

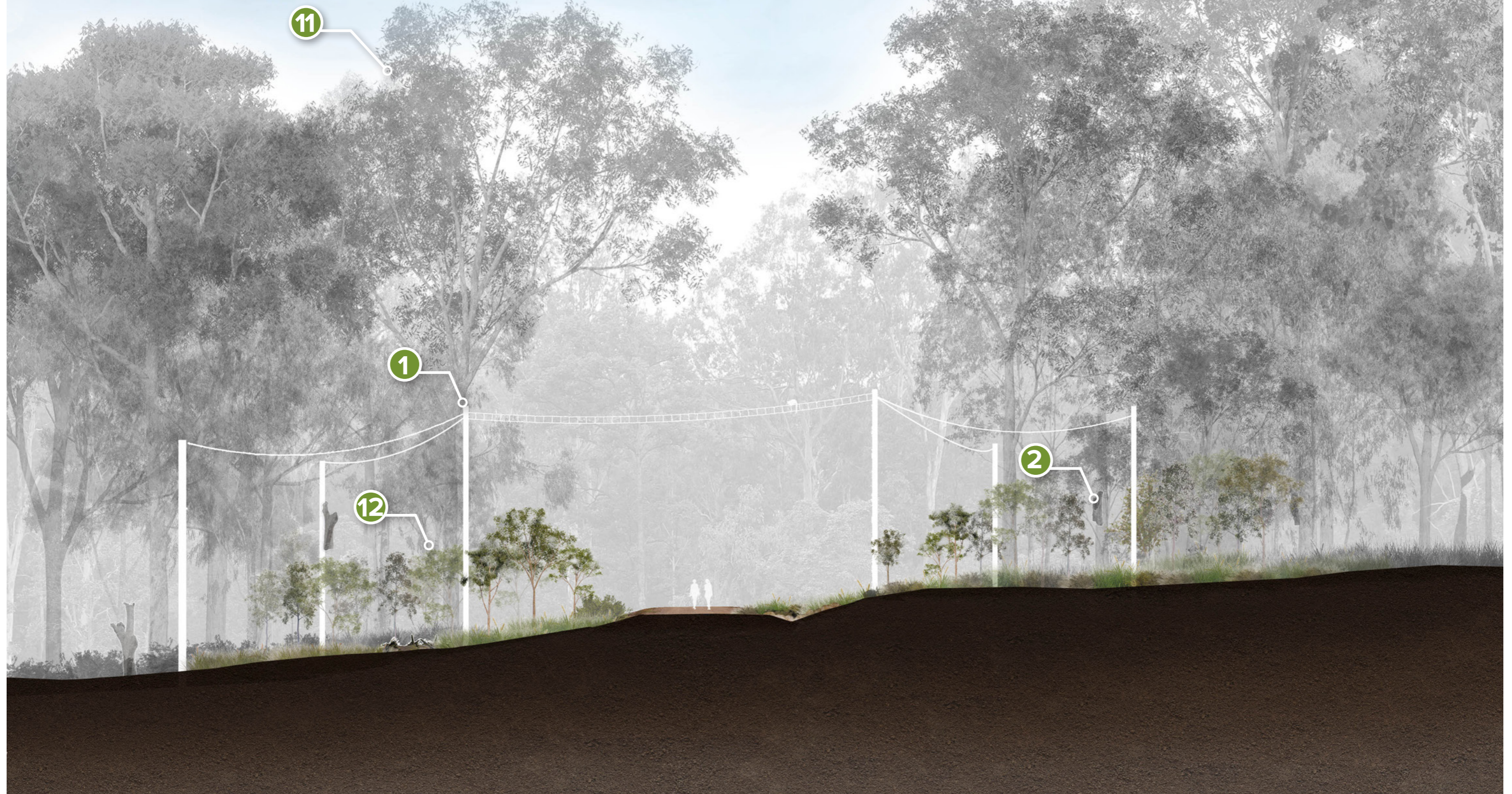


3D ILLUSTRATIVE RENDER 1
30 YEARS
HIGH RISK WATERWAY CROSSING

ILLUSTRATIVE CROSS SECTION J

5 YEARS

TRACK WITHIN NORTHERN GREATER GLIDER HABITAT



ILLUSTRATIVE CROSS SECTION J

30 YEARS

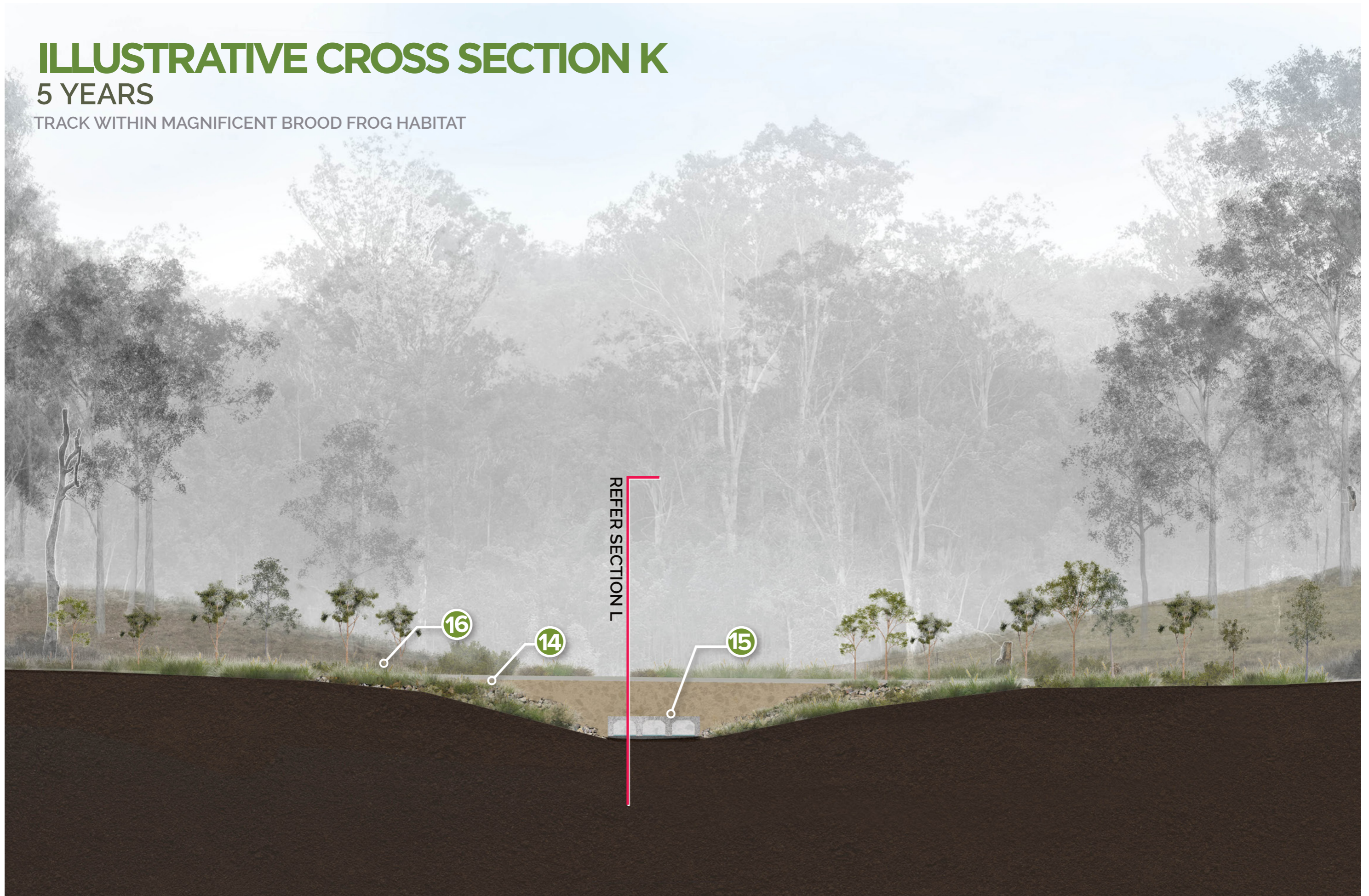
TRACK WITHIN NORTHERN GREATER GLIDER HABITAT



ILLUSTRATIVE CROSS SECTION K

5 YEARS

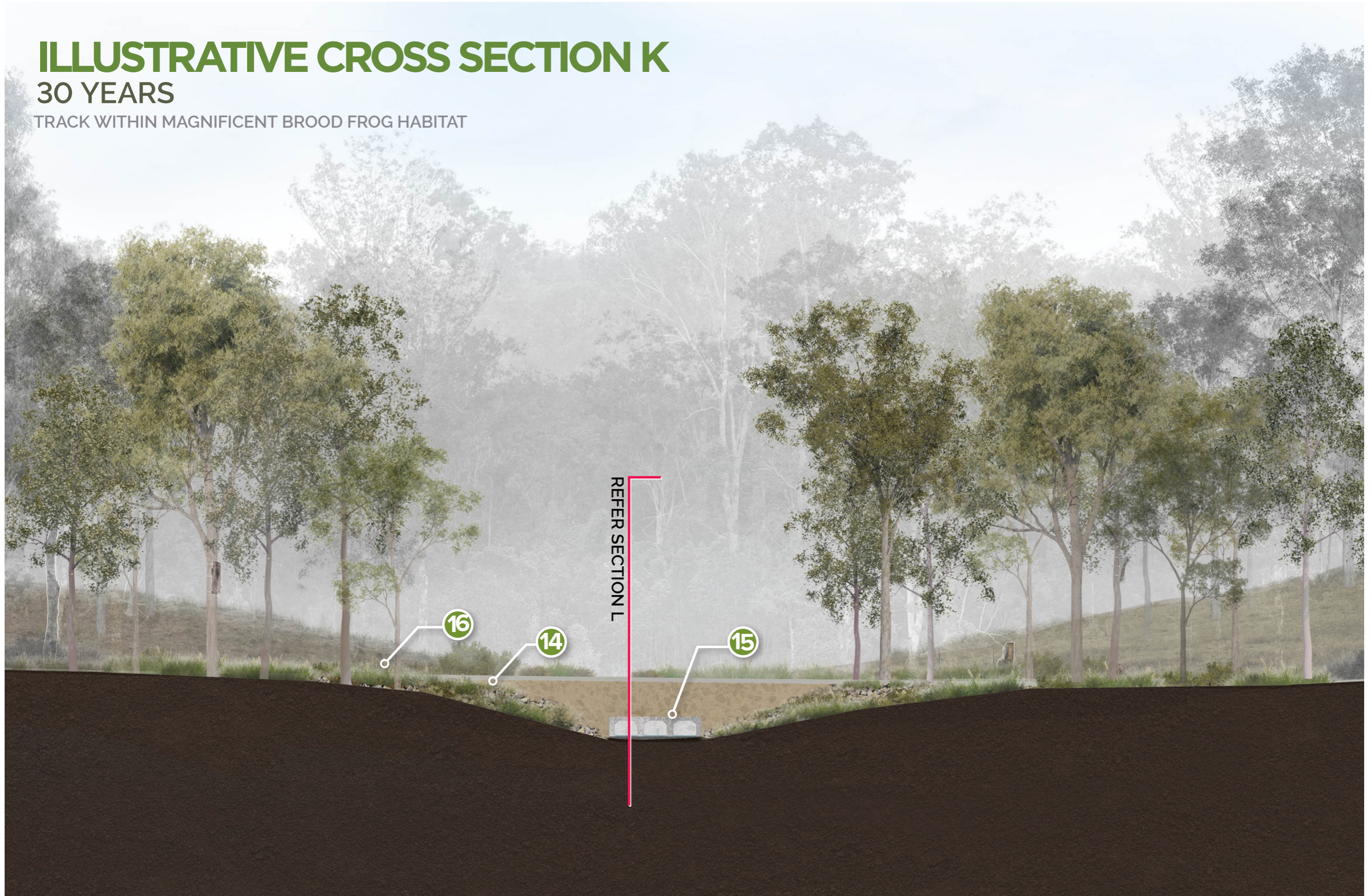
TRACK WITHIN MAGNIFICENT BROOD FROG HABITAT



ILLUSTRATIVE CROSS SECTION K

30 YEARS

TRACK WITHIN MAGNIFICENT BROOD FROG HABITAT



ILLUSTRATIVE CROSS SECTION L

5 YEARS

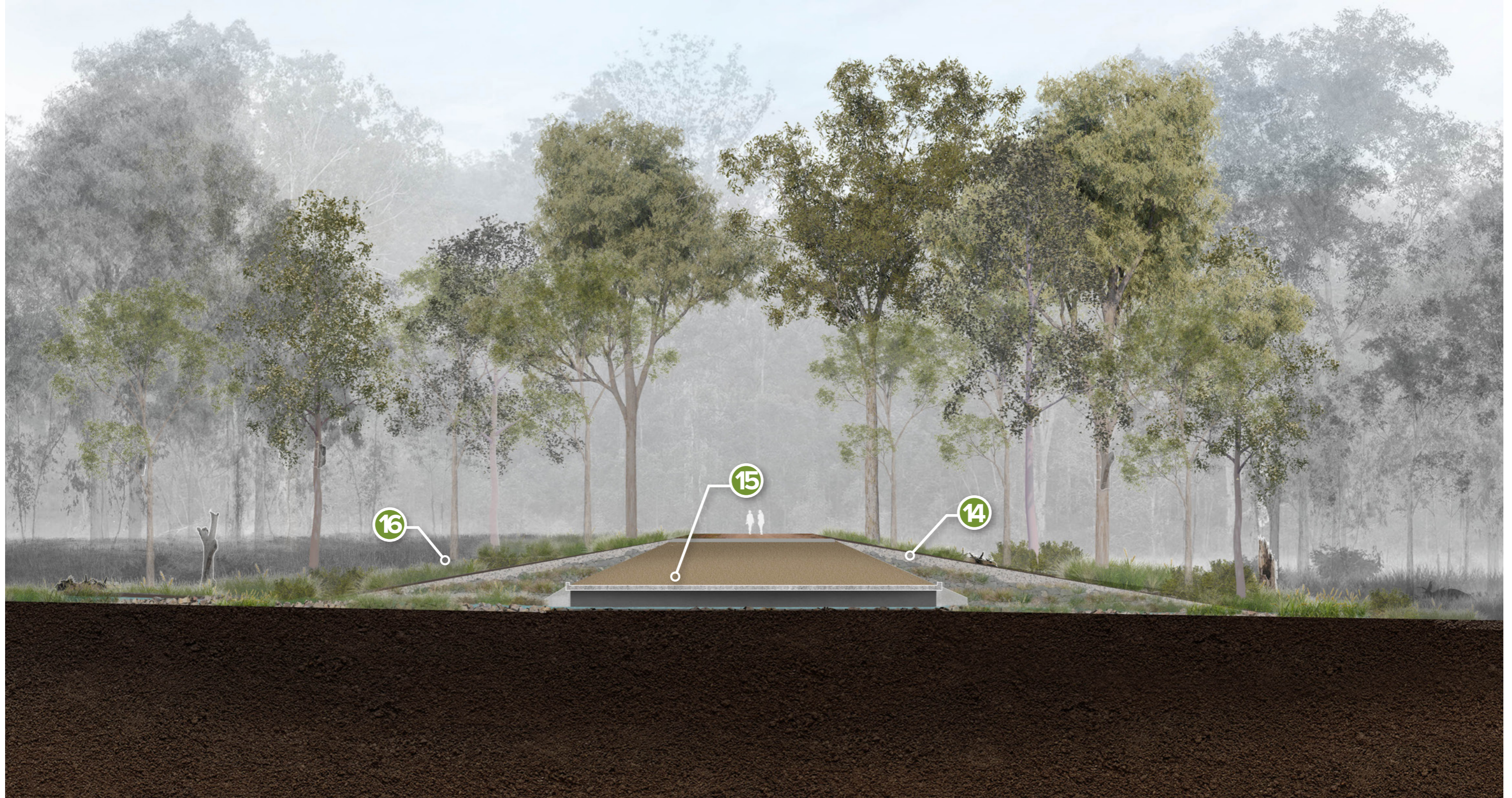
TRACK WITHIN MAGNIFICENT BROOD FROG HABITAT



ILLUSTRATIVE CROSS SECTION L

30 YEARS

TRACK WITHIN MAGNIFICENT BROOD FROG HABITAT

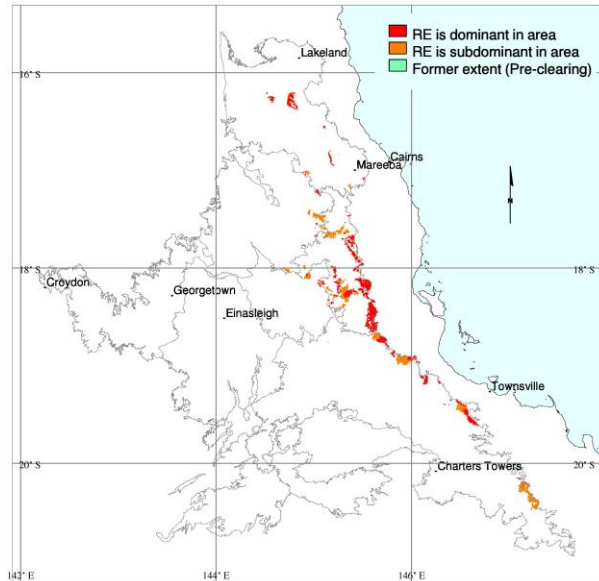




Appendix C

RE Technical Description

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



M. Newton

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

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

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

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

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

Stratum: T1

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

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

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

Stratum: T2

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

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

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

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

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

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

Stratum: S1

Height avg. = 2.4m, range 0.9-4m, 10 sites

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

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

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

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

Stratum: S2

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

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

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

Frequent species (cover, frequency): Grevillea glauca (18%), Acacia aulacocarpa (9%), Acacia flavescens (9%), Corymbia citriodora (9%), Corymbia leichhardtii (9%), Dodonaea indet. (9%), Lophostemon suaveolens (9%), Persoonia falcata (9%), Petalostigma pubescens (9%), Pogonolobus reticulatus (9%), Xanthorrhoea johnsonii (9%)

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

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

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Stratum: G

Height avg. = 0.5m, range 0.3-0.8m, 10 sites

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

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

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

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

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