

MAROOCHY WETLANDS BIODIVERSITY MAPPING

Latitude: 27°.36'36.18" Longitude: 153°.02'58.46"
Easting: 504830 Northing: 7056914



Lot 539 on NPW863 (Lot 2 on RP134727)

Area: 50ha

Regional Ecosystem: RE12.3.5; RE12.1.1; RE12.1.2; RE12.1.3; RE12.9/10.1

Height Above Sea Level ASL 4-14 meters

Annual rainfall 1750-2000mm

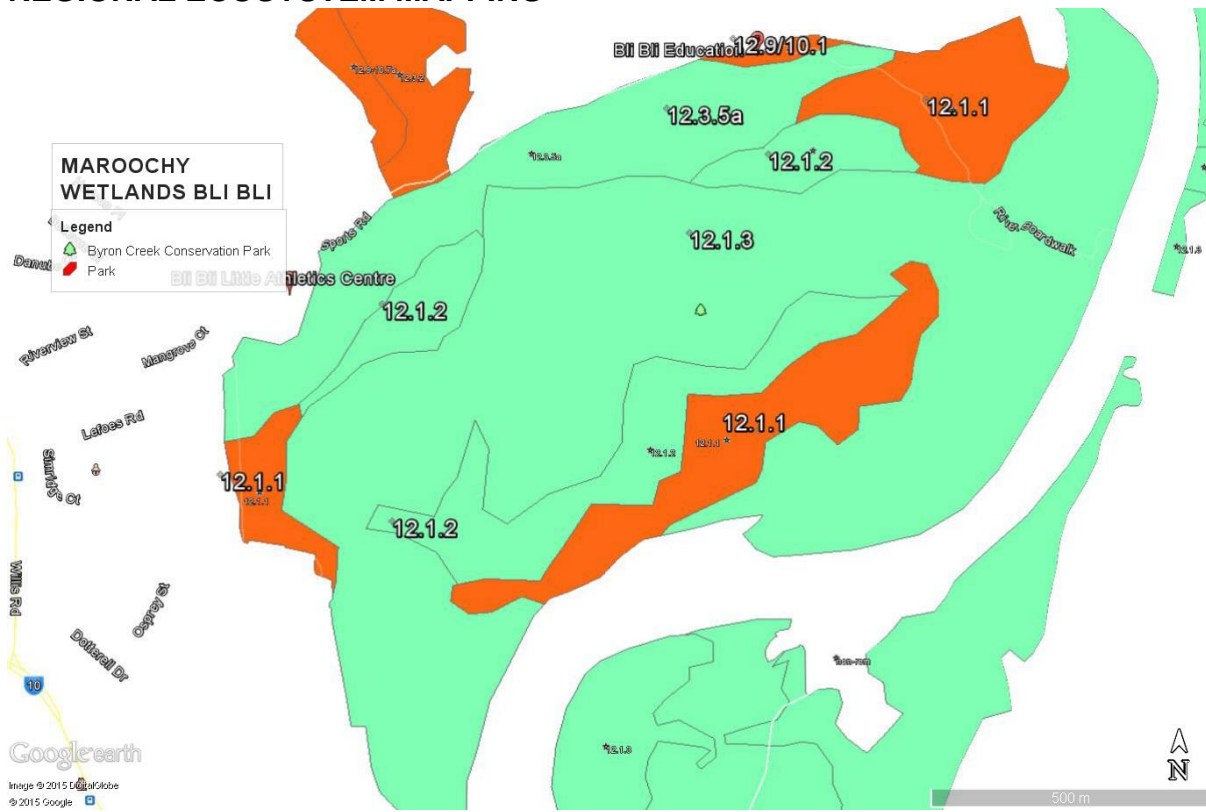
Plant list 226 species compiled by Ann Moran on 15th September 1991;

MAROOCHY WETLANDS

Regional Ecosystem Version 8.1	Description	Vegetation Management	Conservation Status
12.3.5	Palustrine wetland (e.g. vegetated swamp). <i>Melaleuca quinquenervia</i> , <i>Casuarina glauca</i> +/- <i>Eucalyptus tereticornis</i> open forest. Occurs on lowest river terraces of Quaternary alluvial plains in coastal areas	Least concern	Of concern under review
12.1.1	<i>Casuarina glauca</i> +/- mangroves woodland. Occurs on margins of Quaternary estuarine deposits.	Of concern	Endangered under review
12.1.2	Saltpan vegetation comprising <i>Sporobolus virginicus</i> grassland and samphire herbland. Grasses including <i>Zoysia macrantha</i> sometimes present in upper portions of tidal flats. Includes saline or brackish sedgeland. Occurs on Quaternary estuarine deposits. Marine plains/tidal flats	Least concern	No concern at present
12.1.3	Mangrove shrubland to low closed forest. Occurs on Quaternary estuarine deposits.	Least concern	No concern at present
12.9/10.1	Small portion around buildings -Tall open forest. Canopy species include <i>Eucalyptus resinifera</i> , <i>E. grandis</i> , <i>E. robusta</i> , <i>Corymbia intermedia</i> +/- <i>E. microcorys</i> , <i>Melaleuca quinquenervia</i> , <i>Syncarpia glomulifera</i> <i>Lophostemon confertus</i> . Occurs on Cainozoic and Mesozoic sediments	Of concern	Of concern

MAROOCHY WETLANDS

REGIONAL ECOSYSTEM MAPPING



Legend	Description	Plants per plot
D	Dominant	>100
A	Abundant	50 - 100
C	Common	20 - 50
O	Occasional	10 - 20
P	Present	5 - 10
U	Uncommon	3 - 5
R	Rare in numbers Only	1 - 3
E	Edge not inside community	1 - 10
*	Weed or Garden escapee	

FAMILY	FORM	GENUS SPECIES	NUMBERS
Amaryllidaceae	Herb	<i>Crinum pedunculatum</i>	Uncommon
Apocynaceae	Vine	<i>Melodinus australis</i>	Present
Asteraceae	Shrub	* <i>Baccharis halimifolia</i>	Common
Asteraceae	Herb	<i>Eclipta prostrata</i>	Uncommon
Asteraceae	Creeper	<i>Wollastonia biflora</i>	Uncommon
Blechnaceae	Fern	<i>Blechnum indicum</i>	Abundant
Byttneriaceae	Tree	# <i>Commersonia bartramia</i>	Edge
Casuarinaceae	Tree	<i>Casuarina glauca</i>	Common
Cyperaceae	Sedge	<i>Baumea articulata</i>	Uncommon
Cyperaceae	Sedge	<i>Baumea rubiginosa</i>	Uncommon
Cyperaceae	Sedge	<i>Cladium procerum</i>	Occasional
Euphorbiaceae	Tree	<i>Excoecaria agallocha</i>	Abundant
Juncaginaceae	Aquatic	<i>Triglochin striata</i>	Occasional
Lamiaceae	Shrub	<i>Clerodendrum inerme</i>	Common
Lauraceae	Tree	<i>Cryptocarya microneura</i>	Rare
Lobeliaceae	Herb	<i>Lobelia stenophylla</i>	Uncommon
Loranthaceae	Parasite	<i>Amyema cambagei</i>	Common
Loranthaceae	Parasite	<i>Amyema congener ssp congener</i>	Uncommon
Loranthaceae	Parasite	<i>Amyema mackayense</i>	Common
Loranthaceae	Parasite	<i>Amyema sp</i>	Occasional
Malvaceae	Tree	<i>Hibiscus tiliaceus</i>	Occasional
Melastomataceae	Shrub	<i>Melastoma malabathricum</i>	Occasional
Mimosaceae	Tree	<i>Acacia melanoxylon</i>	Present
Myrtaceae	Tree	<i>Melaleuca quinquenervia</i>	Dominant
Orchidaceae	Orchid	<i>Cymbidium madidum</i>	Rare
Phyllanthaceae	Tree	<i>Glochidion sumatranum</i>	Common
Poaceae	Grass	* <i>Urochloa mutica</i>	Uncommon
Polypodiaceae	Fern	# <i>Platyserium bifurcatum</i>	Present
Pteridaceae	Fern	<i>Acrostichum speciosum</i>	Abundant

MAROOCHY WETLANDS**MAROOCHY WETLAND FOREST** Area: 1ha Lat: 26.3630 Long 153.0254**Soil** Coastal Alluvial **Description:** RE12.3.5 12.9/10.1 Melaleuca Wetland 20-25m

FAMILY	FORM		GENUS SPECIES	NUMBERS
Acanthaceae	Herb		<i>Brunoniella australis</i>	Uncommon
Acanthaceae	Herb		<i>Pseuderanthemum variabile</i>	Uncommon
Agaricaceae	Fungi		<i>Agaricus xanthodermus</i>	Occasional
Anacardiaceae	Tree		<i>Euroschinus falcatus v falcatus</i>	Uncommon
Anacardiaceae	Tree	*	<i>Schinus terebinthifolius</i>	Uncommon
Annonaceae	Tree		<i>Polyalthia nitidissima</i>	Uncommon
Apiaceae	Herb		<i>Centella asiatica</i>	Uncommon
Apiaceae	Herb		<i>Trachymene procumbens</i>	Occasional
Apocynaceae	Vine		<i>Cynanchum carnosum</i>	Uncommon
Apocynaceae	Vine		<i>Melodinus australis</i>	Uncommon
Apocynaceae	Vine		<i>Parsonsia straminea</i>	Common
Apocynaceae	Shrub		<i>Tabernaemontana pandacaqui</i>	Occasional
Araliaceae	Tree		<i>Polyscias elegans</i>	Uncommon
Araliaceae	Tree	*	<i>Schefflera actinophylla</i>	Common
Araucariaceae	Tree	#	<i>Agathis robusta</i>	Edge
Araucariaceae	Tree	#	<i>Araucaria cunninghamii v cunninghamii</i>	Edge
Arecaceae	Tree		<i>Archontophoenix cunninghamiana</i>	Common
Arecaceae	Vine		<i>Calamus muelleri</i>	Uncommon
Arecaceae	Tree		<i>Livistona australis</i>	Uncommon
Aspleniaceae	Fern		<i>Asplenium australasicum</i>	Uncommon
Asteliaceae	Shrub		<i>Cordyline rubra</i>	Occasional
Asteraceae	Herb	*	<i>Ageratum conyzoides</i>	Edge
Asteraceae	Herb	*	<i>Ageratum houstonianum</i>	Common
Asteraceae	Herb	*	<i>Aster subulatus</i>	Uncommon
Asteraceae	Shrub	*	<i>Baccharis halimifolia</i>	Common
Asteraceae	Herb	*	<i>Bidens pilosa</i>	Edge
Asteraceae	Herb	*	<i>Crassocephalum crepidioides</i>	Uncommon
Asteraceae	Herb	*	<i>Erechtites valerianifolia</i>	Occasional
Asteraceae	Herb	*	<i>Tagetes minuta</i>	Occasional
Asteraceae	Creeper		<i>Wollastonia biflora</i>	Uncommon
Blechnaceae	Fern		<i>Blechnum cartilagineum</i>	Occasional
Caryophyllaceae	Herb	*	<i>Drymaria cordata ssp cordata</i>	Edge
Celastraceae	Tree		<i>Denhamia celastroides</i>	Occasional
Commelinaceae	Herb		<i>Aneilema acuminatum</i>	Occasional
Commelinaceae	Creeper		<i>Commelina diffusa</i>	Uncommon
Convolvulaceae	Vine	*	<i>Ipomoea cairica</i>	Common
Costaceae	Herb		<i>Alpinia caerulea</i>	Occasional
Cyperaceae	Sedge		<i>Carex appressa</i>	Common
Cyperaceae	Sedge		<i>Carex polyantha</i>	Occasional
Cyperaceae	Sedge		<i>Cyperus enervis</i>	Uncommon
Cyperaceae	Sedge		<i>Cyperus lucidus</i>	Uncommon

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FAMILY	FORM	GENUS SPECIES	NUMBERS
Cyperaceae	Sedge	<i>Cyperus polystachyos</i>	Occasional
Cyperaceae	Sedge	<i>Fimbristylis dichotoma</i>	Common
Cyperaceae	Sedge	<i>Fimbristylis ferruginea</i>	Uncommon
Cyperaceae	Sedge	<i>Gahnia clarkei</i>	Abundant
Cyperaceae	Sedge	<i>Gahnia sieberiana</i>	Occasional
Cyperaceae	Sedge	<i>Rhynchospora corymbosa</i>	Uncommon
Cyperaceae	Sedge	<i>Scleria mackaviensis</i>	Unspecified
Cyperaceae	Sedge	<i>Scleria sphacelata</i>	Abundant
Dennstaedtiaceae	Fern	<i>Hypolepis muelleri</i>	Abundant
Dennstaedtiaceae	Fern	<i>Pteridium esculentum</i>	Occasional
Dilleniaceae	Creepers	<i>Hibbertia scandens v scandens</i>	Uncommon
Dioscoreaceae	Vine	<i>Dioscorea transversa</i>	Uncommon
Ebenaceae	Tree	<i>Diospyros australis</i>	Uncommon
Elaeocarpaceae	Tree	<i>Elaeocarpus obovatus</i>	Occasional
Elaeocarpaceae	Shrub	<i>Elaeocarpus reticulatus</i>	Occasional
Euphorbiaceae	Shrub	<i>Alchornea ilicifolia</i>	Occasional
Euphorbiaceae	Tree	<i>Homalanthus nutans</i>	Uncommon
Euphorbiaceae	Shrub	# <i>Mallotus claoxyloides</i>	Unspecified
Eupomatiaceae	Shrub	<i>Eupomatia laurina</i>	Uncommon
Fabaceae	Vine	<i>Austrosteenisia blackii ssp blackii</i>	Occasional
Fabaceae	Vine	<i>Callerya megasperma</i>	Occasional
Fabaceae	Shrub	# * <i>Crotalaria laburnifolia</i>	Edge
Fabaceae	Shrub	* <i>Crotalaria lanceolata ssp lanceolata</i>	Uncommon
Fabaceae	Shrub	* <i>Crotalaria pallida v obovata</i>	Uncommon
Fabaceae	Creepers	<i>Glycine clandestina v clandestina</i>	Uncommon
Fabaceae	Shrub	<i>Hovea acutifolia</i>	Occasional
Fabaceae	Creepers	* <i>Macroptilium atropurpureum</i>	Uncommon
Fabaceae	Creepers	* <i>Macrotyloma axillare</i>	Uncommon
Juncaceae	Sedge	<i>Juncus kraussii ssp australiensis</i>	Occasional
Lamiaceae	Tree	<i>Clerodendrum floribundum</i>	Occasional
Lamiaceae	Tree	<i>Gmelina leichhardtii</i>	Uncommon
Lauraceae	Tree	<i>Cryptocarya glaucescens</i>	Occasional
Lauraceae	Tree	<i>Cryptocarya microneura</i>	Present
Lauraceae	Tree	<i>Cryptocarya obovata</i>	Uncommon
Lauraceae	Tree	<i>Endiandra discolor</i>	Occasional
Lauraceae	Tree	<i>Endiandra sieberi</i>	Rare
Lobeliaceae	Creepers	<i>Lobelia alata</i>	Occasional
Lobeliaceae	Creepers	<i>Lobelia membranacea</i>	Uncommon
Lobeliaceae	Creepers	<i>Lobelia purpurascens</i>	Uncommon
Lomandraceae	Herb	<i>Lomandra longifolia</i>	Occasional
Lomandraceae	Herb	<i>Lomandra multiflora ssp multiflora</i>	Uncommon

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FAMILY	FORM		GENUS SPECIES	NUMBERS
Luzuriagaceae	Vine		<i>Geitonoplesium cymosum</i>	Occasional
Malvaceae	Shrub		<i>Hibiscus diversifolia</i>	Uncommon
Malvaceae	Tree	*	<i>Hibiscus rosa-sinensis</i>	Edge
Malvaceae	Shrub	*	<i>Sida cordifolia</i>	Edge
Malvaceae	Shrub	*	<i>Sida rhombifolia</i>	Uncommon
Malvaceae	Shrub	*	<i>Urena lobata</i>	Uncommon
Melastomataceae	Shrub		<i>Melastoma malabathricum ssp</i>	Occasional
Meliaceae	Tree		<i>Melia azedarach</i>	Uncommon
Meliaceae	Tree		<i>Synoum glandulosum ssp glandulosum</i>	Occasional
Meliaceae	Tree		<i>Toona ciliata</i>	Uncommon
Menispermaceae	Vine		<i>Stephania japonica v discolor</i>	Common
Mimosaceae	Tree		<i>Acacia disparrima ssp disparrima</i>	Uncommon
Mimosaceae	Shrub	#	<i>Acacia fimbriata</i>	Unspecified
Mimosaceae	Shrub		<i>Acacia maidenii</i>	Uncommon
Mimosaceae	Tree		<i>Acacia melanoxyton</i>	Common
Mimosaceae	Tree	#	<i>Pararchidendron pruinosum</i>	Unspecified
Monimiaceae	Shrub		<i>Wilkiea huegeliana</i>	Occasional
Moraceae	Tree		<i>Ficus virens v virens</i>	Uncommon
Moraceae	Tree		<i>Ficus watkinsiana</i>	Uncommon
Moraceae	Vine		<i>Maclura cochinchinensis</i>	Uncommon
Myoporaceae	Tree		<i>Myoporum acuminatum</i>	Uncommon
Myrsinaceae	Tree		<i>Myrsine variabilis</i>	Uncommon
Myrtaceae	Tree		<i>Acmena smithii</i>	Uncommon
Myrtaceae	Tree	#	<i>Anetholea anisata</i>	Rare
Myrtaceae	Shrub	#	<i>Austromyrtus dulcis</i>	Edge
Myrtaceae	Tree		<i>Callistemon salignus</i>	Occasional
Myrtaceae	Tree	#	<i>Corymbia citriodora ssp variegata</i>	Edge
Myrtaceae	Tree		<i>Eucalyptus grandis</i>	Common
Myrtaceae	Tree	#	<i>Eucalyptus pilularis</i>	Unspecified
Myrtaceae	Tree		<i>Eucalyptus resinifera</i>	Uncommon
Myrtaceae	Tree		<i>Eucalyptus robusta</i>	Uncommon
Myrtaceae	Tree		<i>Eucalyptus tereticornis</i>	Uncommon
Myrtaceae	Shrub	*	<i>Eugenia uniflora</i>	Edge
Myrtaceae	Tree		<i>Lophostemon confertus</i>	Uncommon
Myrtaceae	Tree		<i>Lophostemon suaveolens</i>	Uncommon
Myrtaceae	Tree	#	<i>Melaleuca armillaris ssp armillaris</i>	Edge
Myrtaceae	Tree	#	<i>Melaleuca bracteata</i>	Edge
Myrtaceae	Tree		<i>Melaleuca quinquenervia</i>	Abundant
Myrtaceae	Shrub		<i>Pilidiostigma rhytispermum</i>	Common
Myrtaceae	Tree		<i>Rhodamnia rubescens</i>	Uncommon
Myrtaceae	Tree		<i>Rhodomyrtus psidioides</i>	Uncommon

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FAMILY	FORM		GENUS SPECIES	NUMBERS
Myrtaceae	Tree		<i>Syzygium australe</i>	Uncommon
Myrtaceae	Tree	#	<i>Syzygium forte ssp forte</i>	Edge
Myrtaceae	Tree		<i>Syzygium oleosum</i>	Uncommon
Oleaceae	Shrub	*	<i>Ligustrum sinense</i>	Uncommon
Oleaceae	Tree		<i>Notelaea longifolia</i>	Uncommon
Onagraceae	Shrub		<i>Ludwigia octovalvis</i>	Uncommon
Orchidaceae	Orchid		<i>Cryptostylis subulata</i>	Occasional
Orchidaceae	Orchid		<i>Cymbidium madidum</i>	Uncommon
Osmundaceae	Fern		<i>Todea barbara</i>	Uncommon
Oxalidaceae	Herb		<i>Oxalis chnoodes</i>	Uncommon
Passifloraceae	Vine	*	<i>Passiflora edulis</i>	Uncommon
Passifloraceae	Vine	*	<i>Passiflora foetida</i>	Uncommon
Passifloraceae	Vine	*	<i>Passiflora subpeltata</i>	Uncommon
Petiveriaceae	Shrub	*	<i>Rivina humilis</i>	Edge
Phormiaceae	Herb	#	<i>Dianella longifolia v longifolia</i>	Common
Phormiaceae	Herb		<i>Dianella sp</i>	Common
Phyllanthaceae	Shrub		<i>Breynia oblongifolia</i>	Uncommon
Phyllanthaceae	Tree		<i>Glochidion ferdinandi v ferdinandi</i>	Edge
Phyllanthaceae	Tree		<i>Glochidion sumatranum</i>	Common
Pittosporaceae	Shrub		<i>Pittosporum revolutum</i>	Occasional
Pittosporaceae	Tree	#	<i>Pittosporum undulatum</i>	Edge
Poaceae	Grass	# *	<i>Axonopus compressus</i>	Edge
Poaceae	Grass	# *	<i>Cynodon dactylon</i>	Edge
Poaceae	Grass		<i>Echinochloa telmatophila</i>	Uncommon
Poaceae	Grass		<i>Entolasia stricta</i>	Occasional
Poaceae	Grass		<i>Leersia hexandra</i>	Uncommon
Poaceae	Grass		<i>Oplismenus undulatifolius</i>	Common
Poaceae	Grass		<i>Ottochloa gracillima</i>	Occasional
Poaceae	Grass		<i>Ottochloa nodosa</i>	Uncommon
Poaceae	Grass		<i>Panicum pygmaeum</i>	Uncommon
Poaceae	Grass	*	<i>Paspalum conjugatum</i>	Occasional
Poaceae	Grass		<i>Phragmites australis</i>	Common
Polygonaceae	Herb		<i>Persicaria strigosa</i>	Common
Polypodiaceae	Fern		<i>Drynaria rigidula</i>	Uncommon
Polypodiaceae	Fern		<i>Platynerium bifurcatum</i>	Uncommon
Polypodiaceae	Fern		<i>Pyrrhosia rupestris</i>	Uncommon
Proteaceae	Tree	#	<i>Buckinghamia celsissima</i>	Edge
Proteaceae	Tree	#	<i>Macadamia integrifolia</i>	Edge
Psilotaceae	Fern		<i>Psilotum nudum</i>	Uncommon
Pteridaceae	Fern		<i>Acrostichum speciosum</i>	Abundant
Putranjivaceae	Vine		<i>Flagellaria indica</i>	Occasional

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FAMILY	FORM		GENUS SPECIES	NUMBERS
Rhamnaceae	Tree		<i>Alphitonia excelsa</i>	Occasional
Ripogonaceae	Vine		<i>Ripogonum album</i>	Occasional
Ripogonaceae	Vine		<i>Smilax australis</i>	Common
Ripogonaceae	Vine		<i>Smilax glycyphylla</i>	Uncommon
Rosaceae	Shrub	*	<i>Rhaphiolepis indica</i>	Uncommon
Rosaceae	Vine		<i>Rubus moluccanus v trilobus</i>	Occasional
Rosaceae	Vine		<i>Rubus rosifolius v rosifolius</i>	Occasional
Rutaceae	Tree		<i>Flindersia schottiana</i>	Occasional
Rutaceae	Shrub		<i>Zieria smithii ssp smithii</i>	Occasional
Rutaceae	Tree		<i>Melicope elleryana</i>	Abundant
Samolaceae	Herb	*	<i>Anagallis arvensis</i>	Uncommon
Sapindaceae	Tree		<i>Cupaniopsis anacardioides</i>	Common
Sapindaceae	Tree	#	<i>Diploglottis campbellii</i>	Unspecified
Sapindaceae	Tree		<i>Jagera pseudorhus v pseudorhus</i>	Occasional
Sapotaceae	Tree		<i>Planchonella chartacea</i>	Occasional
Schizaeaceae	Fern		<i>Lygodium microphyllum</i>	Common
Scrophulariaceae	Aquatic		<i>Bacopa monnieri</i>	Uncommon
Solanaceae	Tree		<i>Duboisia myoporoides</i>	Occasional
Solanaceae	Shrub	*	<i>Solanum americanum</i>	Uncommon
Solanaceae	Tree	*	<i>Solanum mauritianum</i>	Uncommon
Solanaceae	Shrub	*	<i>Solanum nigrum</i>	Uncommon
Solanaceae	Vine	*	<i>Solanum seaforthianum</i>	Edge
Solanaceae	Tree	*	<i>Solanum torvum</i>	Occasional
Sterculiaceae	Tree	#	<i>Brachychiton acerifolius</i>	Uncommon
Sterculiaceae	Tree		<i>Sterculia quadrifida</i>	Uncommon
Symplocaceae	Tree		<i>Symplocos thwaitesii</i>	Occasional
Violaceae	Herb		<i>Viola hederacea ssp hederacea</i>	Occasional
Viscaceae	Parasite		<i>Notothixos subaureus</i>	Common
Viscaceae	Parasite		<i>Viscum articulatum</i>	Occasional
Vitaceae	Vine		<i>Cissus hypoglauca</i>	Common
Zamiaceae	Shrub		<i>Macrozamia lucida</i>	Occasional
Total Plants Listed	226 species			